

Getting Started for Teachers

Maddie McDonagh

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@DrFrostMaths



Contents

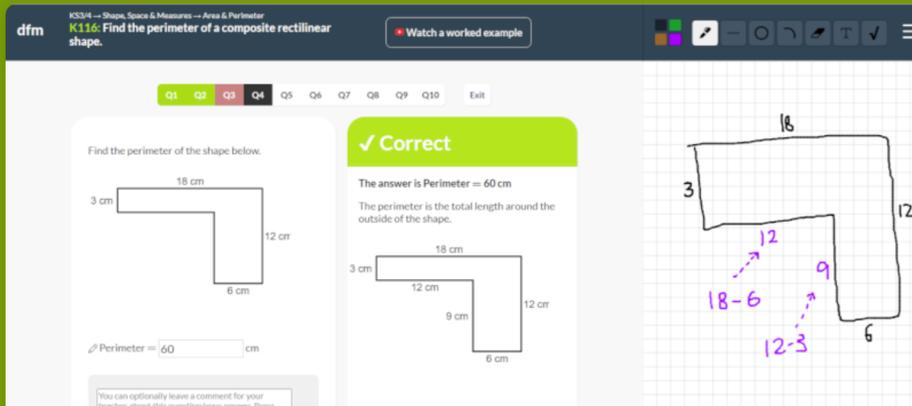
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Subscribing to Dr Frost

Empowering learners and teachers in mathematics.



The screenshot shows a math problem on the Dr Frost Learning website. The problem is: "Find the perimeter of a composite rectilinear shape." The shape is an L-shaped polygon with side lengths: top horizontal side 18 cm, left vertical side 3 cm, bottom horizontal side 6 cm, and right vertical side 12 cm. The solution is shown as "Correct" with the answer "Perimeter = 60 cm". A handwritten diagram on the right shows the shape with dashed lines and calculations: $18 - 6 = 12$ and $12 - 3 = 9$, indicating the missing side lengths for a full perimeter calculation.

Supporting learners all the way.

1. Catering for learners of all ages with 1000 question generators, known as Key Skills, and 40000+ exam questions for broader practice.
2. Supported with full workings and worked-example videos.
3. Sequential and scaffolded learning via courses crafted in-house, by exam boards and by schools.

Login Sign Up

Go to www.drfrost.org and Click 'Sign Up'.

Subscribing to Dr Frost

Let's get started...

Click 'I'm a Teacher', this will allow you to register as an individual teacher. Once registered, you will be able to subscribe and add more teacher accounts.



I'm a Student

Able to practise questions independently as well as complete homework assigned to you.



I'm a Teacher

Able to set homeworks, manage student lists, access the database of questions and monitor student progress.



I'm a Parent

Able to create new accounts for each of your children, set tasks, monitor progress and build worksheets.

If you work as a consultant across a Multi-Academy Trust, please [get in touch](#) for a MAT administrator account. You can see how we collect and use your data on our [Privacy Policy](#).

Multi Academy Trusts may choose to have a trust subscription. Please contact us directly using support@drfrost.org to subscribe and give permissions for a MAT administrator account.

Subscribing to Dr Frost

Sign up as a teacher with...



Sign up with Google, Microsoft365 or search your school's name or post code. All schools in England and Wales should be listed.

or search for your school

[→ I can't find my school](#)

You can complete a request form if your school is not listed. Our support team will review the request. Please note your institution must either be a school, or an established public service e.g. prisons, hospitals, registered community project etc.

We will reject requests from tutoring agencies and explicitly for-profit institutions.

'Home tutoring' does not constitute a school; please instead register for a 'Parent' account.

Subscribing to Dr Frost

And some final info...

School: **Tiffin School**

Title:

 ▾

First Name:

Surname:

School Email:

Teacher registrations using personal email addresses will not be approved. A school email address verifies your position at your school.

Monthly
Newsletter:

 ▾

Just once a month we send out a newsletter about new features on the site (which you can unsubscribe from at any time). Happy to receive this?

Set a Password:

Confirm Password:

Teachers must register with their school email address. Personal email addresses will not be approved.

I'm Done

Subscribing to Dr Frost

Once a teacher from your school has registered with Dr Frost, the school will need to subscribe to create more teacher accounts. Use the top left **Menu -> Classes & Settings** and then select 'Subscription'.

The screenshot shows the 'School Subscription' page in the Dr Frost interface. On the left is a navigation menu with options: Account, Classes, Teachers, School Settings, Subscription (highlighted), and Audit Log. The main content area is titled 'School Subscription' and includes a 'Pricing' section with a 'Status' indicator showing the subscription is active until 30th September 2026. Below this is an 'Extend' section with explanatory text and two buttons: '£600 / year (excluding VAT)' and 'Apply for a discount'. A confirmation message states 'You have selected a 12-month subscription for £600 (+ VAT if applicable)'. At the bottom of the 'Extend' section is a blue 'Generate invoice' button.

Click 'Generate Invoice' and download the invoice. Please follow the instructions for how to pay and notify subscriptions@drfrost.org when the payment has been made. At this point your subscription will become active.

Subscribing to Dr Frost

Menu



M McDonagh

Account

Classes

Teachers

School Settings

Subscription

Audit Log

School Subscription

Pricing

Status

Your subscription is **active** until 30th September 2026

Extend

Dr Frost is a registered charity. Subscription fees allow us to continue operating as a charity and all fees are invested in improving our offering. No subscription is required for individual teachers for up to three classes.

£600 / year
(excluding VAT)

Apply for a
discount

We grant discounts based on the circumstances of your school, including student numbers, type of school and other extenuating factors. This is at the discretion of Dr Frost staff and you will be notified when your application is processed.

Start application

As part of our charity's vision to make sure our services are available to all schools regardless of budget, we allow schools to apply a discount of 25% or 50%. Schools are welcome fill out an application form, and if your school meets the threshold to receive a discount, you will be notified by email along with the attached invoice to pay.

Home dashboard***

 **Ms M McDonagh**
Ravenpuff School

 School Rank
1767th

 Points This Year
3,098

School Engagement
1/6

[Help & Training](#)

Work

[My Worksheets](#) [View All Tasks](#)

- ✓ Expanding brackets
0/5 All of Further Maths, Acke, Gnats (test,Charms), Bones, Maisy (test), No due date
- ✓ parallelogram hwk
0/5 All of Further Maths, Acke, Gnats (test,Charms), Bones, Maisy (test), No due date
- ✓ surface area of a cylinder
0/5 All of Further Maths, Acke, Gnats (test,Charms), Bones, Maisy (test), Due Last week

[Set a Task](#)

Progress Data

[View Student Progress](#)

[Week Summary](#) [Top Students](#)

Tasks set	2
Questions answered	27
Independent questions	16

Notifications

-  The new DF Index was launched on 27th January. We now have over 5000 subskills covering various curricula. Click here to see the entire list and the mappings to old skill codes.
-  You received some feedback from a student regarding their work.
20 HOURS AGO
Expanding brackets
-  Ms M McDonagh set a task to All of Further Maths, Acke, Gnats (test,Charms), Bones, Maisy (test).
20 HOURS AGO
Expanding brackets
-  You received some feedback from a student regarding their work.
22 HOURS AGO
parallelogram hwk
-  Ms M McDonagh set a task to All of Further Maths, Acke, Gnats (test,Charms), Bones, Maisy (test).
22 HOURS AGO
parallelogram hwk

Notifications show the recent activity of students in your classes. You can click a notification to see the student's answers and leave feedback.

Use the search bar to search for skills (e.g. Pythagoras) or students (e.g. to change their class).

Your dashboard shows the latest tasks you have set. Click 'View all Tasks' to see all.

Home dashboard***

Menu



M McDonagh



Ms M McDonagh
Ravenpuff School



School Rank
1767th



Points This Year
3,098

School Engagement
1/6

[Help & Training](#)

Work

- ✓ Expanding brackets
0/5 All of Further Maths, Acke, Gnats (test,Charms), Bones, Maisy (test)
- ✓ parallelogram hwk
0/5 All of Further Maths, Acke, Gnats (test,Charms), Bones, Maisy (test)
- ✓ surface area of a cylinder
0/5 All of Further Maths, Acke, Gnats (test,Charms), Bones, Maisy (test)

[Set a Task](#)

[My Worksheets](#) [View All Tasks](#)

Use the quick links to 'My Worksheets' and 'View Student Progress'.

Progress Data

[Week Summary](#) [Top Students](#)

Tasks set	2
Questions answered	27
Independent questions	16

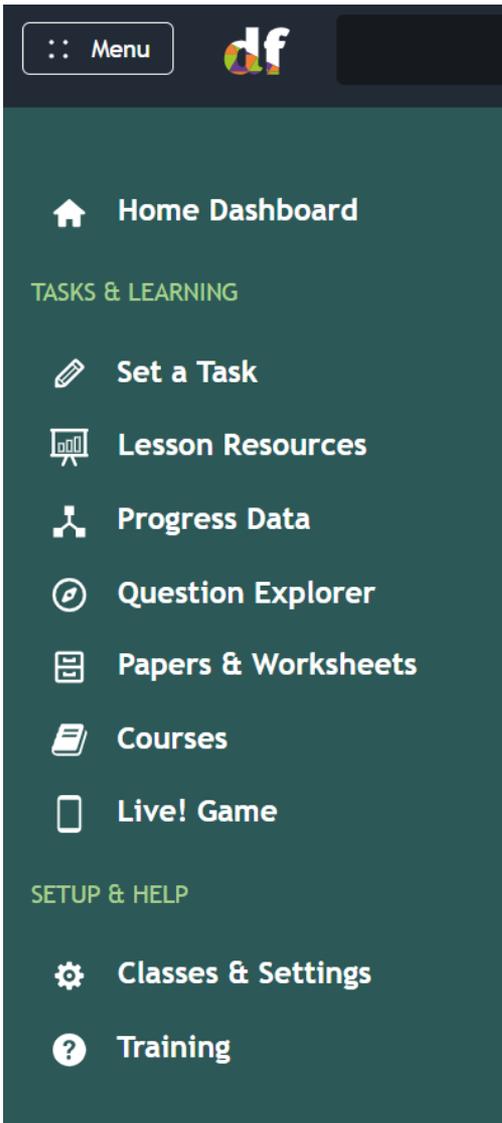
[View Student Progress](#)

Notifications

- The new D January. W covering va entire list and the mappings to the sh...
- You received some feedback from a student regarding their work.
20 HOURS AGO
Expanding brackets
- Ms M McDonagh set a task to All of Further Maths, Acke, Gnats (test,Charms), Bones, Maisy (test).
20 HOURS AGO
Expanding brackets
- You received some feedback from a student regarding their work.
22 HOURS AGO
parallelogram hwk
- Ms M McDonagh set a task to All of Further Maths, Acke, Gnats (test,Charms), Bones, Maisy (test).
22 HOURS AGO
parallelogram hwk

Click 'Help and Training' to sign up to a virtual training session or to view help videos.

The left menu



Set a task: Set a new homework/classwork task to students. You can select questions by topic, from past papers, or build a worksheet from scratch.

Lesson Resources: Downloadable teacher resources, including lesson PowerPoints, worksheets, activities, assessments and our popular 'Full Coverage' materials.

Progress Data: View your mark book, analyse student progress by task, leave feedback, view student mastery by course or by topic, view school leaderboards.

Question Explorer: Explore both exam questions and skill-based questions, including accompanying videos.

Papers and Worksheets: Access worksheets you have created in your teacher directory, or access worksheets saved in your school shared area. You can also access past papers, Dr Frost revision worksheets and Dr Frost topic tests.

Courses: Courses can be assigned to your learners to support independent practice. You can build your own courses, or you can assign courses from exam boards and publishers.

Live! Game: a classroom game where students simultaneously answer questions on their mobile device. You can create a worksheet in advance of play or start play immediately from 'Set a Task'.

Classes & Settings: Set up and manage classes and teachers. Manage your school settings and subscription.

Training: Sign up for virtual training sessions, book a demo, and access video tutorials.

The top menu

Menu

df

M McDonagh

Ms M McDonagh
Ravenpuff School

School Rank
1872nd

Points This Year
3,752

School Engagement
1/6

Work

My Worksheets View All Tasks

Notifications

You have 4 pieces of unread feedback from students regarding completed work.

You received some feedback from a student regarding their work.

My Dashboard
Log Off
View as Student
Account Settings

You will receive a notification if a student has written feedback. Click the notification to read and respond to the feedback.

Every class at your school has a 'demo account'. Click 'View as Student' to log in to the demo account. From here you can view/complete tasks set to your class and see the experience as a student.

Change your password, link your account to Google/ Office 365, and so on.

Setting up classes

Click the top left menu and choose 'Classes and Settings'.

We **highly recommend** a bulk import for setting up classes, particularly to reset your class groupings at the start of the academic year.

The screenshot shows the 'Classes and Settings' page. On the left is a sidebar menu with the following items: Home Dashboard, TASKS & LEARNING (Set a Task, Lesson Resources, Progress Data, Question Explorer, Papers & Worksheets, Courses, Live! Game), and SETUP & HELP (Classes & Settings, Training). The 'Classes & Settings' item is highlighted. The main content area has a top navigation bar with a 'Menu' button, the 'df' logo, and a search icon. Below this is a list of settings: Account, Classes (highlighted), Teachers, School Settings, Subscription, and Audit Log. To the right of the 'Classes' menu item is a blue dropdown menu labeled 'Select a class'. Below the dropdown are two columns: 'Bulk Import' with a link 'Import by spreadsheet Wonde' and 'Class Options' with two buttons: '+ Create' and 'Export to Excel'.

Tip: Before performing a bulk import, export your existing class lists to Excel as a backup. The class lists can be restored using **Import by spreadsheet** should you encounter any problems.

Import by spreadsheet

Select a

Bulk In

Import b

SIMS

Bromcor

Import by Spreadsheet

Student accounts which are already active will be unaffected, except that the class groupings will be changed.

You must first [download this spreadsheet file](#) and use it to fill in your class lists. Then upload this file using the form below.

Import File: No file chosen

Mode:

My spreadsheet contains all students in my school. All existing class groupings will be removed. **WARNING: Do not use this option to add individual classes, but to set up all your school's classes. This will wipe all existing class lists for the whole school.**

My spreadsheet only contains new classes I want to add. Leave all other existing accounts/classes alone.

Use this button to select your saved import Excel spreadsheet.

If you're starting a new school year you should use the first option. This will start all your class groupings from afresh (and wipe any existing class groupings). Remember, you can recover the original class groupings if you export to Excel. **This mode does not delete any active student accounts.**

The second option is useful to add additional classes but keep all other class groupings the same.

We recommend using the **Preview** button before you execute the import. This will show you what the import will do, including any existing accounts identified.

Import by spreadsheet

Import successfully completed. You can now view each class to assign teachers and courses.

If your import included email addresses, your students should now be receiving automated emails to activate their accounts and set a password/link with Google or Microsoft.

If you created accounts without email addresses, then after selecting the class, we recommend exporting your class, using Class Options → Export to Excel, which will include all the passwords we have generated for them. Passwords for accounts *with* email addresses will not be visible.

Note that if you have included email addresses, the student will receive an activation email to set their password.

Otherwise, you can share the students' usernames and passwords with your class by exporting the class list to Excel.

Menu

dfm



Account

Classes

Teachers

School Settings

Subscription

Audit Log

← My New Class
5 students

Year
Year 10

Teachers
Ms Maddie McDonagh

Assigned Courses
NONE

Class Options
Delete Class
Get Join URL
Class demo account
Export to Excel

+ Students

Apply action

<input type="checkbox"/>	STUDENT	CLASSES	EMAIL/USERNAME	LOGIN METHOD	LAST LOGIN
<input type="checkbox"/>	Clark, Heidi	(My New Class)	hclark-168624	Password	Never
<input type="checkbox"/>	Cruz, Marco	(My New Class)	mcruz-168624	Password	Never
<input type="checkbox"/>	Habib, Azeem	(My New Class)	ahabib-168624	Password	Never
<input type="checkbox"/>	Stevens, Mathew	(My New Class)	mstevens-168624	Password	Never
<input type="checkbox"/>	Yang, Jasmina	(My New Class)	jyang-168624	Password	Never

Sharing student passwords

The screenshot shows a web interface for a class named 'My New Class' with 7 students. The interface includes a sidebar with navigation options like 'Account', 'Classes', 'Teachers', 'School Settings', 'Subscription', and 'Audit Log'. The main content area displays a table of student information. A dropdown menu for 'Class Options' is open, showing options: 'Delete Class', 'Get Join URL', 'Class demo account', and 'Export to Excel'.

STUDENT	CLASSES	EMAIL/USERNAME	LOGIN METHOD	LAST LOGIN
<input type="checkbox"/> Clark, Heidi	(My New Class)	hclark-168624	Password	Never
<input type="checkbox"/> Cruz, Marco	(My New Class)	mcruz-168624	Password	Never
<input type="checkbox"/> Fernandez, Joseph	(My New Class)	jfernandez-168624	Password	Never
<input type="checkbox"/> Habib, Azeem	(My New Class)	ahabib-168624	Password	Never
<input type="checkbox"/> Jones, Rhian	(My New Class)	*** Personal Email Address	Password	Last year
<input type="checkbox"/> Stevens, Mathew	(My New Class)	mstevens-168624	Password	Never
<input type="checkbox"/> Yang, Jasmina	(My New Class)	jyang-168624	Password	Never

The student passwords can now be seen in the Excel file.

Surname	Firstname	Class	Yeargroup	Email/Username	Password
Clark	Heidi	My New Class	10	hclark-168624	26997
Habib	Azeem	My New Class	10	ahabib-168624	75631
Cruz	Marco	My New Class	10	mcruz-168624	43306
Yang	Jasmina	My New Class	10	jyang-168624	34832
Stevens	Mathew	My New Class	10	mstevens-168624	74168

Import from a school data system

Account

Classes

Teachers

School Settings

Subscription

Audit Log

Select a class

Bulk Import

Import by spreadsheet Wonde

Class Options

+ Create

Export to Excel

If your school has an active subscription, you can import from a school data management system by syncing with Wonde.

We're just about to check whether your school is set up for Wonde. Choose one of the options below.

Please note that a DrFrostMaths subscription is required to synchronise with MIS systems.

Sync Preview

Press 'Sync' and confirm you give permission for Wonde to set up your school. Once Wonde linking has been approved, you will need to return to this page and press 'Sync' again to select the subjects/classes you wish to be available on Dr Frost.

Create a single class

Account

Classes

Teachers

School Settings

Subscription

Audit Log

Select a class

Bulk Import

Import by spreadsheet
Wonde

Class Options

+ Create

Export to Excel

You can create classes one at a time. We only recommend using this option when creating small classes or an intervention group as you will need to add the students one by one.

This facility is to manually add a single class. If you wish to set up all your classes, use the **Import by Spreadsheet** option instead.

Name:

Yeargroup:

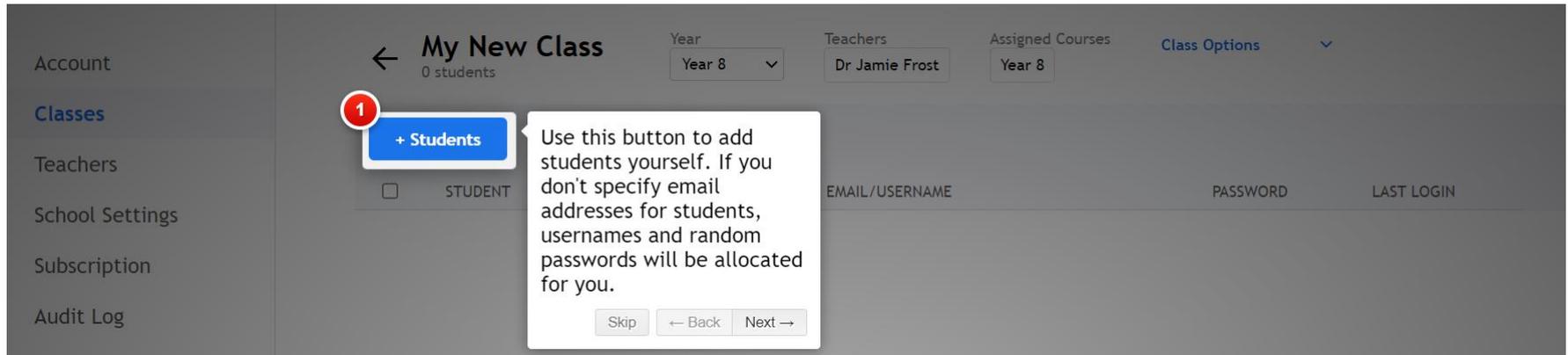
Assigned Teachers:

Course:

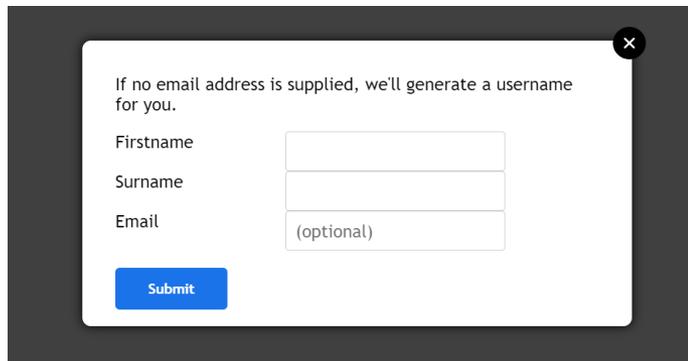
Create

Give the class a name and assign with the relevant teacher. We recommend adding the teachers in your school first so you can assign them to classes you create. It is possible to assign teachers to classes at a later stage in class settings.

Create a single class



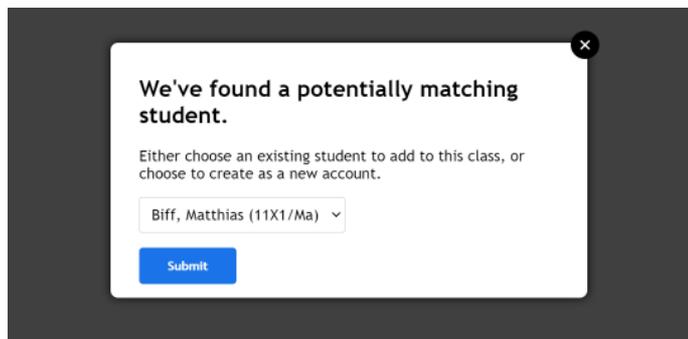
The screenshot shows the 'My New Class' page with a sidebar on the left containing 'Account', 'Classes', 'Teachers', 'School Settings', 'Subscription', and 'Audit Log'. The main area displays 'My New Class' with '0 students', 'Year 8', 'Dr Jamie Frost', and 'Assigned Courses: Year 8'. A '+ Students' button is highlighted with a red '1' in a circle. A tooltip points to this button, containing the text: 'Use this button to add students yourself. If you don't specify email addresses for students, usernames and random passwords will be allocated for you.' Below the tooltip are 'Skip', '← Back', and 'Next →' buttons.



This form prompts for student details. It includes a message: 'If no email address is supplied, we'll generate a username for you.' Below this are three input fields: 'Firstname', 'Surname', and 'Email (optional)'. A blue 'Submit' button is at the bottom.

Once you've created the class, you will see a quick on-screen tutorial. You can use the **+Students** button to add students one at a time.

Enter the student's details. If you don't wish to specify an email address, the student will be allocated a username (e.g. jfrost-2594) and a random password, which the student can change.



This form displays a message: 'We've found a potentially matching student.' Below it, a text prompt says: 'Either choose an existing student to add to this class, or choose to create as a new account.' A dropdown menu shows 'Biff, Matthias (11X1/Ma)'. A blue 'Submit' button is at the bottom.

If there's a matching student, you'll be given the option to use this existing account or create a new account. If you specify an email address for an existing account, it'll automatically use this account without prompting.

Managing students and classes

Menu



Account

Classes

Teachers

School Settings

Subscription

Audit Log

← My New Class
6 students

Year
Year 10

Teachers
Ms Maddie McDonagh

Assigned Courses
NONE

Class Options

+ Students		Apply action	EMAIL/USERNAME	LOGIN METHOD	LAST LOGIN
<input type="checkbox"/>	STUDENT				
<input type="checkbox"/>	Clark, Heidi	▼ Edit Details Move Class Change Password Remove From Class Delete Archive	hclark-168624	Password	Never
<input type="checkbox"/>	Cruz, Marco	(My New Class)	mcruz-168624	Password	Never
<input checked="" type="checkbox"/>	Fernandez, Joseph	(My New Class)	jfernandez-168624	Password	Never
<input type="checkbox"/>	Habib, Azeem	(My New Class)	ahabib-168624	Password	Never
<input type="checkbox"/>	Stevens, Mathew	(My New Class)	mstevens-168624	Password	Never
<input type="checkbox"/>	Yang, Jasmina	(My New Class)	jyang-168624	Password	Never

Click the row to select a student. When a selection is made, the **Apply Action** dropdown will become visible. You can select more than one student and apply the same action e.g. move class.

Managing students and classes

Change the year group for your class, teachers assigned to the class and any courses assigned to the class here. Note that classes can be assigned to more than one teacher and more than one course.

Delete the class, use the 'demo account' for the class, or export the class to Excel to see passwords.

Account

Classes

Teachers

School Settings

Subscription

Audit Log

← My New Class
7 students

Year: Year 10

Teachers: Ms Maddie McDonagh

Assigned Courses: NONE

Class Options

<input type="checkbox"/>	STUDENT	CLASSES	EMAIL/USERNAME	LOGIN METHOD	LAST LOGIN
<input type="checkbox"/>	Clark, Heidi	(My New Class)	hclark-168624	Password	Never
<input type="checkbox"/>	Cruz, Marco	(My New Class)	mcruz-168624	Password	Never
<input type="checkbox"/>	Fernandez, Joseph	(My New Class)	jfernandez-168624	Password	Never
<input type="checkbox"/>	Habib, Azeem	(My New Class)	ahabib-168624	Password	Never
<input type="checkbox"/>	Jones, Rhian	(My New Class)	*** Personal Email Address	Password	Last year
<input type="checkbox"/>	Stevens, Mathew	(My New Class)	mstevens-168624	Password	Never
<input type="checkbox"/>	Yang, Jasmina	(My New Class)	jyang-168624	Password	Never

Important Note: If a student does not use their school email address to register, then their email will appear as “*Personal Email Address*”. This allows for appropriate Safeguarding. You can update the email on the student’s account to their school email address if you wish.

School Settings

To access your school's settings go to **Menu** → **Classes & Settings** → **School Settings**.



- Account
- Classes
- Teachers
- School Settings**
- Subscription
- Audit Log

School Settings

Main Details Logo

School Name:	Ravenpuff School
Town/City:	The Shire
Country:	England
Post/Zip Code:	
Timezone:	Europe/London
Minimum age:	11
Maximum age:	18
Phase:	Secondary
Primary Contact:	<input type="text" value="Kathryn Clark (kathryn@drfrostmaths.com)"/> <small>The teacher that is first point of contact for your school.</small>
Yeargroup Namings:	<input type="text" value="UK1"/> <small>UK1 uses Reception and Year 1-13. UK2 uses 1st Form and so on for older students. UKSixthForm restricts to Years 12-13. You can also choose the native year group namings for a variety of other countries.</small>
Default Email Extension:	<input type="text" value="@ ravenpuff.sch.uk OR drfrc"/> <small>If you wish to allow multiple extensions, separate with the word OR (uppercase), putting the preferred one for registration forms first. Specifying email extension(s) allows DFM to detect whether students have used a personal or school email address.</small>
Leaderboard Use:	<input type="text" value="No restrictions"/> <small>If no restrictions, high-scoring students may appear (first name only) in the global leaderboard. You can also prevent students seeing any leaderboards internally in your school; this will also hide their global rank for points.</small>

Update

The intended time for due dates/set dates on set tasks is based on the underlying time zone of the browser you are using. Be wary of this if setting tasks to students in a different country!

The Primary Contact is the main point of contact for your school.

Set the school email extension to ensure the system knows what a 'school email address' is versus a personal email address. If you have multiple extensions (e.g. one for students and one for teachers), write both extensions, separating them using OR and typing a space before and after.
e.g. *students.myschool.sch.uk OR teachers.myschool.sch.uk*

You can change the leaderboard settings to opt out entirely, or to remove access to the leaderboard on student accounts.

The 'mastery' measure

1. Key Stage/ Age Range	KS3/KS4
2. Strand	Algebra
3. Topic	Expanding Brackets
4. Skill	Expand a single bracket
5. Subskills	Either exam practice (E) or subskill practice (K)

☐ 252 Expanding a single bracket

Mastery: 42/100

OR NARROW DOWN

VIDEO DIFFICULTY RECENT ACCURACY

	VIDEO	DIFFICULTY	RECENT ACCURACY
☐ 252: Exam Practice: Expanding a single bracket	Browse	1-4	
☐ 252a: Expand a single bracket with an integer on the front.	Example	1	100%
☐ 252b: Expand a single bracket with a negative integer on the front.	Example	1	
☐ 252c: Expand a single bracket requiring simplification.	Example	2	63%
☐ 252d: Expand a single bracket with an algebraic term at the front.	Example	2	30%
☐ 252e: Expand a single bracket with each term involving one variable or constant, using index laws.	Example	2	
☐ 252f: Expand a single bracket with each term involving multiple variables or constants, using index laws.	Example	4	89%
☐ 252g: Expand two sets of single brackets and collect like terms, where multipliers are positive integers only.	Example	3	90%

The student's mastery measure is between 1-100. Their mastery goes up or down, depending on both the difficulty of the questions answered, and on whether they answer the questions correctly.

Usually, the subskills within a skill span difficulty 1-4. This means that success with difficulty 1 questions relates to a mastery value 0-25, success with difficulty 2 questions increases their mastery to a value between 25-50 etc. Consequently, a student can only achieve higher mastery by succeeding at more difficult questions.

The 'mastery' measure



Trophies

15/37



Points This Year

1391

Mastery



12



5

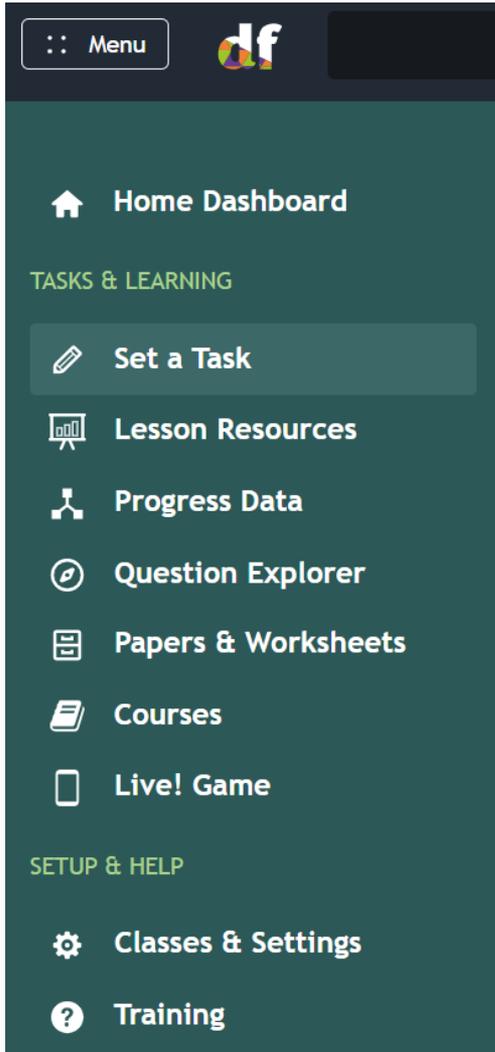


3

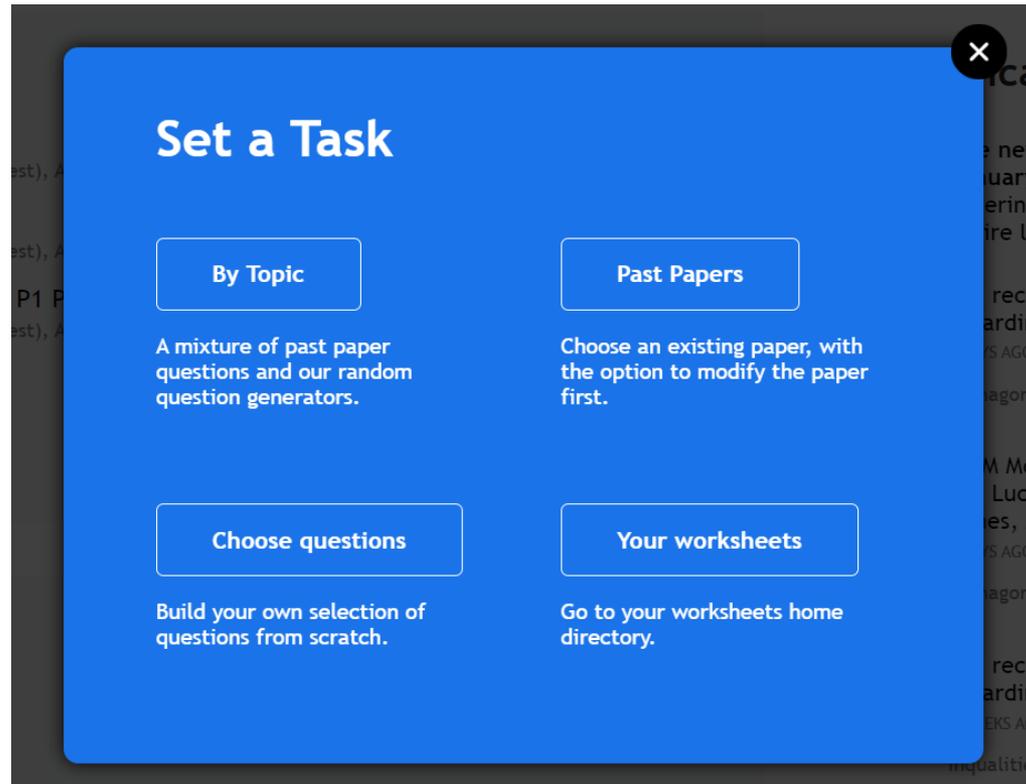
Students earn 3-6 points per correctly answered question based on its difficulty. Unlike mastery, points can never go down, and points are an overall tally rather than associated with specific skills.

A student's mastery measure for each skill is visually represented by 3 bars, orange, green and purple. They will see how many skills they have mastered at each level on their dashboard. Each skill has a different mastery threshold for orange, green and purple (e.g a mastery of 85+ for 3 purple bars).

Set a task



Click the top left menu and choose **'Set a task'**. Alternatively click the **Set a Task** button on your home dashboard.



You'll be presented with different options for setting work, with explanatory text. Let's explore some of these...

Set a task

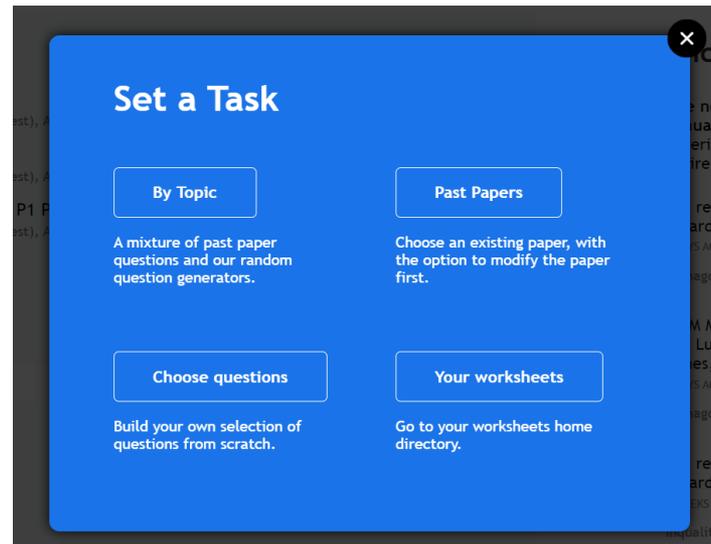
There are two main sources of questions on Dr Frost:

Skill-based Questions: these are randomly generated (and hence unlimited!) questions of a specific type. They target a single type of question within a skill with surface level variation between questions.

Exam questions: past papers questions from UK and overseas exam boards such as Edexcel, SQA, CEA, WJEC, NZQA, NESA etc.

'By Topic' allows you to select both Skill practice and/or exam practice. You can create a worksheet of fixed questions or set 'flexible tasks' (where students each get different question sets).

'Choose questions' allows you to create a worksheet of skill and exam practice starting from a blank template. Select questions one by one to build a bespoke worksheet.

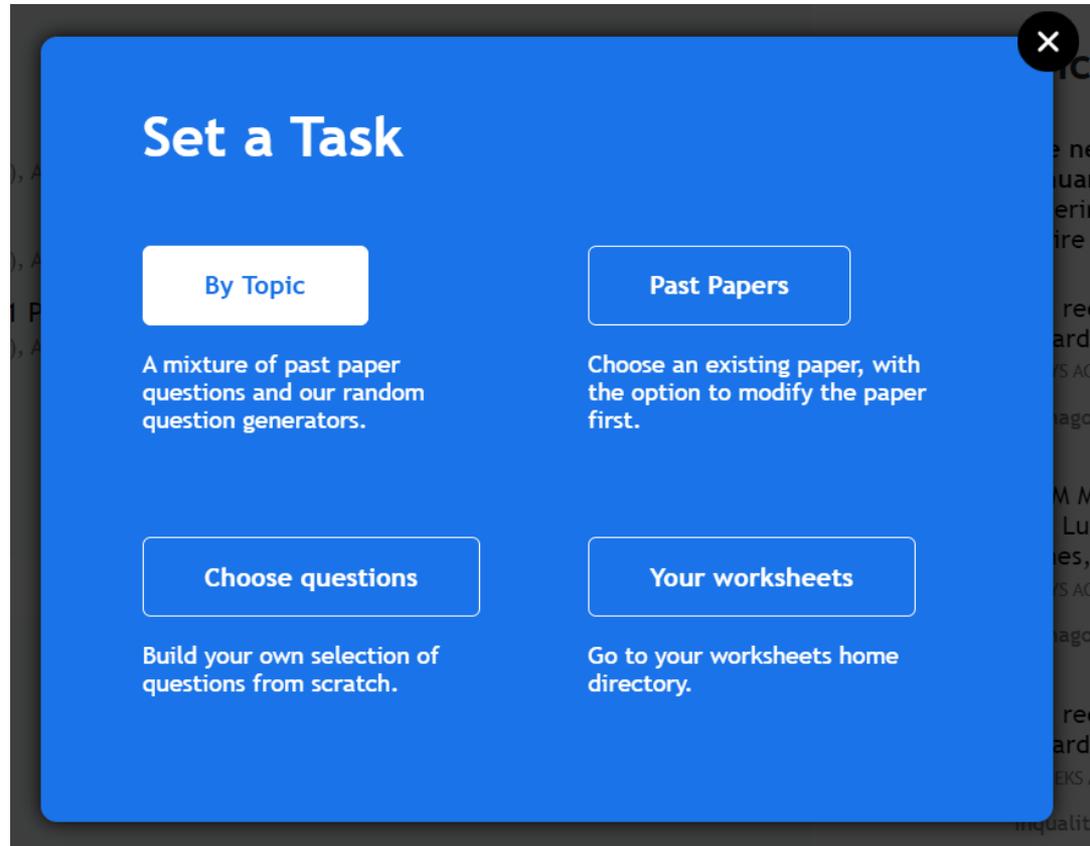
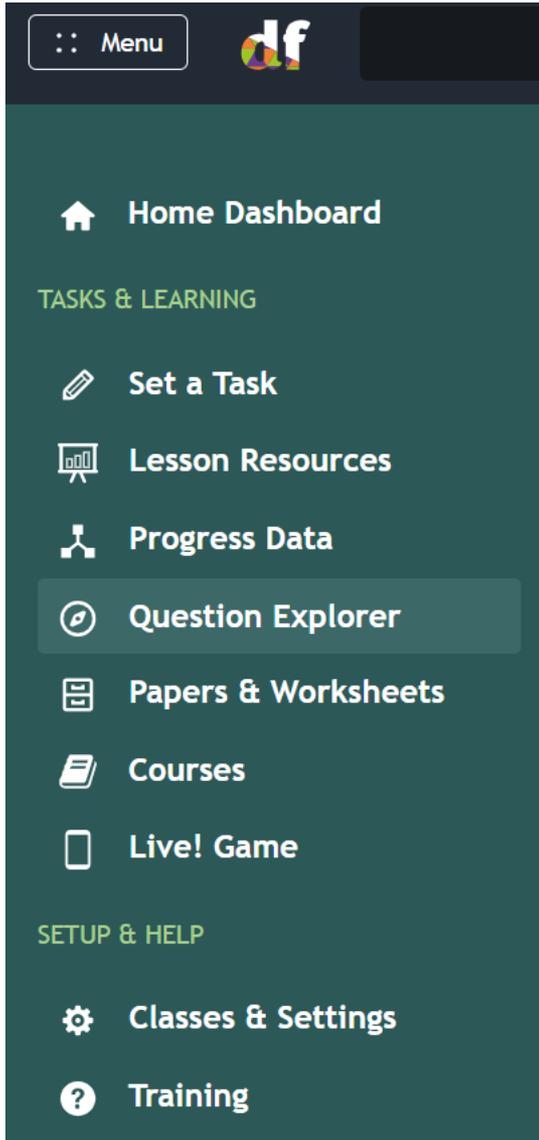


'Past Papers' allows you to set an exam paper as an online task. You can modify the questions, add skill practice or generate a shadow paper.

'Your worksheets' allows you to set a task from a worksheet you have already created. You can also save tasks to your school's shared area.

Set a task: By Topic

You can access the Question Explorer using
Set a Task → By Topic or Menu → Question Explorer.



Set a task: By Topic

The screenshot shows the Dr Frost Learning website interface. At the top, there is a dark navigation bar with a 'Menu' button, the 'df' logo, a search icon, and the user name 'M McDonagh'. The main content area is divided into several sections:

- UK Curriculum**: A section with a dropdown menu labeled 'By Course' containing options for 'A Level', 'Primary', and 'Secondary'. An arrow points from this dropdown to a text box below.
- Summary**: A row of four colored bars with counts: a grey bar with '26', a yellow bar with '11', a green bar with '1', and a purple bar with '0'.
- Recommended for You**: A list of five topics, each with a colored bar and a count:
 - 252 Expanding a single bracket (yellow bar)
 - 322 Trigonometry to determine side lengths in a right-angled triangle (grey bar)
 - 368 Solving quadratic equations by factorisation (grey bar)
 - 527 Laws of logs (excluding $\ln(x)$) (yellow bar)
 - 323 Trigonometry to determine angles in a right-angled triangle (grey bar)
- Your selection**: A panel on the right with instructions: 'Select topics using the tree, then select a mixture of whole skills or the subskills within them.' Below the instructions are three buttons: 'Set a Task', 'Generate Worksheet', and 'Have a Go'.

Either browse skills by UK Curriculum or “By Course”. Click the drop down to select the relevant key stage/age range. You will then be able to select the topic and skills you wish to set.

Set a task: By Topic

The screenshot shows the 'UK Curriculum' website interface. On the left is a navigation menu with 'UK Curriculum' and 'By Course' sections. Under 'By Course', 'Secondary' is expanded to show 'Algebra' with 126 skills. A list of algebraic topics is shown, including 'Expanding Brackets'. The main content area is titled 'Secondary → Algebra → Expanding Brackets'. It features a subskill '252 Expanding a single bracket' with a mastery level of 42/100. Below this is a table of subskills with columns for 'OR NARROW DOWN', 'VIDEO', and 'DIFFICULTY'. The table lists subskills 252 through 252h, each with a description, an 'Example' button, a video icon, and a difficulty level. An arrow points from a text box at the bottom to the video icon for subskill 252h.

UK Curriculum
By Course

Secondary

Algebra 126 skills

Algebraic Proofs
Boolean Algebra
Calculus
Changing the Subject
Curved Graphs
Differentiation
Expanding Brackets

Secondary → Algebra →
Expanding Brackets

252 Expanding a single bracket
Mastery: 42/100

OR NARROW DOWN VIDEO DIFFICULTY

OR NARROW DOWN	VIDEO	DIFFICULTY
<input type="checkbox"/> 252: Exam Practice: Expanding a single bracket	Browse	1-4
<input type="checkbox"/> 252a: Expand a single bracket with an integer on the front.	Example	1
<input type="checkbox"/> 252b: Expand a single bracket with a negative integer on the front.	Example	1
<input type="checkbox"/> 252c: Expand a single bracket requiring simplification.	Example	2
<input type="checkbox"/> 252d: Expand a single bracket with an algebraic term at the front.	Example	2
<input type="checkbox"/> 252e: Expand a single bracket with each term involving one variable or constant, using index laws.	Example	2
<input type="checkbox"/> 252f: Expand a single bracket with each term involving multiple variables or constants, using index laws.	Example	4
<input type="checkbox"/> 252g: Expand two sets of single brackets and collect like terms, where multipliers are positive integers only.	Example	3
<input type="checkbox"/> 252h: Expand and simplify expressions involving subtraction of a bracket with a term or bracket before.	Example	3

Pressing the **Example** button on any subskill will generate an example question. Click the Refresh icon to get another example and see the level of surface variation.

This screenshot shows an interactive example question interface. At the top, there is a refresh icon and a full-screen icon. The question text is '252b: Expand a single bracket with a negative integer on the front.' Below the question, the instruction 'Expand' is followed by the expression $-2(5z + y)$. There is an input field with a pencil icon and a green 'Submit Answer' button.

252b: Expand a single bracket with a negative integer on the front.

Expand

$-2(5z + y)$

Submit Answer

This screenshot shows a video player interface. The video title is '252h: Expand and simplify expressions involving subtraction of a bracket with a term or bracket before.' The video content shows a person writing on a whiteboard. The whiteboard text includes 'KS | EXPAND TWO SETS OF SINGLE BRACKETS WHERE THE SECOND BRACKET HAS A NEGATIVE COEFFICIENT', 'Expand and simplify:', and the calculation $(3+4g) - 3(2g+2) = 3+4g-6g+6 = 3-2g+6 = 9-2g$. There is a red play button icon and a 'Watch on YouTube' button at the bottom.

252h: Expand and simplify expressions involving subtraction of a bracket with a term or bracket before.

Key Skill - Expand two sets of single brackets where the second bracket has a negative coefficient

Watch on YouTube

The video icon brings up a video showing a worked example. subskills videos are typically 2-4 minutes long.

Set a task: By Topic

UK Curriculum

By Course

- A Level
- Primary
- Secondary
- Algebra 126 skills
 - Algebraic Proofs
 - Boolean Algebra
 - Calculus
 - Changing the Subject
 - Curved Graphs

300 Expanding two brackets
Mastery: 50/100

OR NARROW DOWN

	VIDEO	DIFFICULTY	RECENT ACCURACY
<input type="checkbox"/> 300: Exam Practice: Expanding two brackets Browse	📺	1-4	
<input type="checkbox"/> 300a: Expand two brackets given in the form $(x + a)(x + b)$	📺	1	
<input checked="" type="checkbox"/> 300b: Expand two brackets given in the form $(x \pm a)(x \pm b)$ Example	📺	1	100%
<input checked="" type="checkbox"/> 300c: Expand two brackets given in the form $(x - a)(x + a)$ Example	📺	1	100%
<input checked="" type="checkbox"/> 300d: Expand an expression given in the form $(x \pm a)^2$ Example	📺	2	67%
<input type="checkbox"/> 300e: Expand two brackets given in the form $(ax \pm b)(cx \pm d)$ Example	📺	2	100%
300f: Expand two brackets given in the form $(ax - b)(ax + b)$	📺	3	
300g: Expand two brackets given in the form $(a \pm bx)(c \pm dx)$	📺	4	
300h: Expand two brackets involving multiple variables.	📺	4	
300i: Expand two brackets with up to three terms in a single bracket.	📺	4	
<input type="checkbox"/> 300j: Expand two brackets given in the form $(ax \pm b)(cx^2 \pm dx \pm e)$ Example	📺	3	
300k: Expand two brackets involving index laws.	📺	4	
<input type="checkbox"/> 300l: Expand and simplify the sum of a double and single bracket expansion. Example	📺	4	

Your selection

- 300b Expand two brackets given in the form $(x \pm a)(x \pm b)$
- 300c Expand two brackets given in the form $(x - a)(x + a)$
- 300d Expand an expression given in the form $(x \pm a)^2$

[Set a Task](#)

[Generate Worksheet](#)

[Have a Go](#)

Check the boxes to select the subskills you wish to be included in the task. You can select a mixture of exam practice and skill-based practice. You can select all the subskills in one go by checking the box next to the skill name.

Note: if you wish to set **flexible questions** then you cannot select a mixture of skill-based practice and exam practice.

Set a task: By Topic

Your selection will appear on the right. You can drag and change the order of the skills you have selected, and you can select subskills from additional topics using the topic tree to the left.

300 Expanding two brackets
Mastery: 50/100

OR NARROW DOWN

	VIDEO	DIFFICULTY	RECENT ACCURACY
<input type="checkbox"/> 300: Exam Practice: Expanding two brackets Browse		1-4	
<input type="checkbox"/> 300a: Expand two brackets given in the form $(x + a)(x + b)$		1	
<input checked="" type="checkbox"/> 300b: Expand two brackets given in the form $(x \pm a)(x \pm b)$ Example		1	100%
<input checked="" type="checkbox"/> 300c: Expand two brackets given in the form $(x - a)(x + a)$ Example		1	100%
<input checked="" type="checkbox"/> 300d: Expand an expression given in the form $(x \pm a)^2$ Example		2	67%
<input type="checkbox"/> 300e: Expand two brackets given in the form $(ax \pm b)(cx \pm d)$ Example		2	100%
<input type="checkbox"/> 300f: Expand two brackets given in the form $(ax - b)(ax + b)$		3	
<input type="checkbox"/> 300g: Expand two brackets given in the form $(a \pm bx)(c \pm dx)$		4	
<input type="checkbox"/> 300h: Expand two brackets involving multiple variables.		4	
<input type="checkbox"/> 300i: Expand two brackets with up to three terms in a single bracket.		4	
<input type="checkbox"/> 300j: Expand two brackets given in the form $(ax \pm b)(cx^2 \pm dx \pm e)$ Example		3	
<input type="checkbox"/> 300k: Expand two brackets involving index laws.		4	

Your selection

:: 300b Expand two brackets given in the form $(x \pm a)(x \pm b)$ [×](#)

:: 300c Expand two brackets given in the form $(x - a)(x + a)$ [×](#)

:: 300d Expand an expression given in the form $(x \pm a)^2$ [×](#)

Set a Task

Generate Worksheet

Have a Go

Set a task allows you to set the questions in your selection as a fixed set of questions, flexible questions, or a Live! Game.

Generate Worksheet allows to generate a fixed set of questions which you can save for later or set immediately. It is equivalent to **Set a task**-> **Fixed Questions**.

Have a Go is equivalent to the 'Practise' button students will see here if working independently. It allows you to experience completing the questions as a student.

Set a task: By Topic- Fixed Questions

Set a task -> Fixed questions will require you to generate a worksheet before setting the task. Use the drop down to select the number of questions you require for each subskill, and whether you wish the skills to interleave or follow on from each other.

Set a Task

252b: Expand a single bracket with a negative integer on the front.
252c: Expand a single bracket requiring simplification.
252d: Expand a single bracket with an algebraic term at the front.
252e: Expand a single bracket with each term involving one variable or constant, using index laws.

Fixed Questions
Advantages: Everyone gets the same questions. Option to set as a formal assessment.

Flexible Questions
Advantages: More control over completion criteria, e.g. accuracy required. Differentiate by ability, with students advancing to harder subskills in your selection as they consistently get questions correct.

Live! Game
Intended for a classroom environment. Students see the questions on your own screen and play along on their mobile/tablet device.

[Continue](#)

Generate Worksheet

252b: Expand a single bracket with a negative integer on the front.
252c: Expand a single bracket requiring simplification.
252d: Expand a single bracket with an algebraic term at the front.
252e: Expand a single bracket with each term involving one variable or constant, using index laws.

This facility, using the skills you selected, allows you to create a fixed set of questions that you can either **set as a homework/assessment** or **export to Word** as a worksheet.

Num Questions:

Interleave Skills:

When set to Yes, questions will rotate between the chosen subskills. If set to No, questions of the same subskills will appear together.

[Generate](#)

Set a task: By Topic- Fixed Questions

The screenshot shows a software interface for creating a worksheet. At the top, there's a navigation bar with a 'Menu' button, a logo, a search bar, and the user's name 'M McDonagh'. Below this, the main header area has 'No saved location' and 'New Template' on the left, and 'No saved location' and 'New Worksheet' on the right. The 'New Worksheet' section includes buttons for 'Set as Task', 'Save', 'Save As', and 'Download'. A 'View' dropdown is set to 'Edit', and there are 'Save Options' and 'More Options' dropdowns.

The main workspace contains a grid of question cards. Each card has a title (e.g., 'Question 1'), a skill selection dropdown (e.g., '252b Expand a si...'), and a math problem. The problems are:

- Question 1: Expand $-8(7r + 3y)$
- Question 2: Expand and simplify $t + 3 + 4(2t + 5)$
- Question 3: Expand $2y(5y - 3x)$
- Question 4: Expand and simplify $3x^3(5x^2 - 6)$
- Question 5: Expand $-4(6z - r - 3)$
- Question 6: Expand and simplify $2y^2(3 - 5y^3)$

Each card has a refresh icon and a close icon. On the right side of the grid, there are two plus signs labeled 'EXAM QUESTION' and 'GENERATED QUESTION'. On the left, a sidebar shows a list of question options with their respective skill dropdowns.

Review the questions which have been generated and use the refresh icon if necessary. You can drag the questions to change their order.

Add an exam question or further skill-based questions by pressing the plus sign.

Set a task: By Topic- Fixed Questions

You must save the worksheet before you can 'Set a Task'. The default option will save the worksheet in your teacher directory. You can click on the links within 'Location' and save to a folder within your own directory or click on the name of your school to save in the shared or restricted areas.

The screenshot displays the 'New Worksheet' interface. At the top right, there are buttons for 'Set as Task', 'Save', 'Save As', and 'Download'. A modal dialog box is open, showing the following details:

- Name: Expanding brackets
- Location: / DFM / Bogwarts School 2 / Individuals / M McDonagh
- Submit button

A callout box points to the 'Download' button with the text: "Press 'Download' to export to a Microsoft Word document. Answers are provided."

The background shows a grid of math questions:

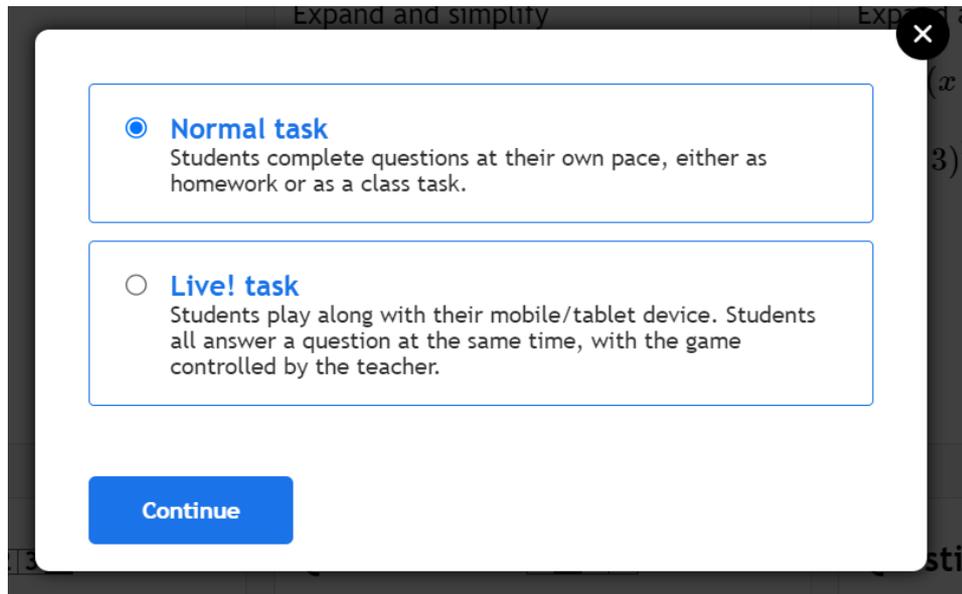
- Question 1: Skill: 252b Expand a si... (Type: Expand)
- Question 2: Skill: 252c Expand a si... (Type: Expand)
- Question 3: Skill: 252d Expand a si... (Type: Expand)
- Question 4: Skill: 252e Expand a si... (Type: Expand)
- Question 5: Skill: 252b Expand a si... (Type: Expand)
- Question 4: Expand and simplify $3x^3(5x^2 - 6)$ (Type: Expand)
- Question 5: Expand $-4(6z - r - 3)$ (Type: Expand)
- Question 6: Expand and simplify $2y^2(3 - 5y^3)$ (Type: Expand)

On the right side, there are buttons for 'EXAM QUESTION' and 'GENERATED QUESTION'.

Set a task: By Topic- Fixed Questions

After saving the worksheet and pressing 'Set a Task' you will be presented with the option to set a Normal Task or a Live!

To set the task as a homework, classwork or assessment, select 'Normal Task'.



The screenshot shows a dialog box with a close button (X) in the top right corner. It contains two radio button options:

- Normal task**
Students complete questions at their own pace, either as homework or as a class task.
- Live! task**
Students play along with their mobile/tablet device. Students all answer a question at the same time, with the game controlled by the teacher.

A blue 'Continue' button is located at the bottom left of the dialog box.

Set a task: By Topic- Fixed Questions

Set a Task

Set task for:

Click to choose ▾

Worksheet:

expanding brackets

Custom Label:

(optional) ?

Due:

No Due Date

Set:

Immediately ▾

Set as a
Homework/Classwork

Students get instant feedback after submitting each answer.

Set as an
Assessment

Students do not see the answers until the due date specified by you. Students can not redo the assessment unless it is set again by the teacher.

Set

Options

Warn when Wrong:

Yes ▾ ?

Prevent Reattempts:

Yes ▾ ?

Require Working:

No ▾ ?

Require Feedback:

No ▾ ?

Time Limit:

None ▾

Accuracy measure:

Each question worth the same ▾ ?

Set a task for a single class, multiple classes, or individuals.

The custom label is the name of the task as it appears on the student's dashboard. If this is left empty then we'll use the names of the skills involved.

You can assign a due date and/or schedule the task to be released on a certain date and time.

The task can be completed as a homework/classwork or as an assessment.

If the task is set as an **assessment**, after students submit their answer, they receive the message "Your answer has been recorded". They will not know which answers are correct/incorrect until the specified due date, and the student **will not be able to change their answers** once they have submitted a response.

Set a task: By Topic- Fixed Questions

Set a Task

Set task for: Click to choose ▾

Worksheet: expanding brackets

Custom Label: ?

Due: No Due Date

Set: Immediately ▾

Set as a Homework/Classwork
Students get instant feedback after submitting each answer.

Set as an Assessment
Students do not see the answers until the due date specified by you. Students can not redo the assessment unless it is set again by the teacher.

Options

Warn when Wrong: Yes ▾ ?

Prevent Reattempts: Yes ▾ ?

Require Working: No ▾ ?

Require Feedback: No ▾ ?

Time Limit: None ▾

Accuracy measure: Each question worth the same ▾ ?

Warn when wrong: When set to Yes, students will be warned once per question if their answer is incorrect. Excludes multiple choice questions.

Prevent reattempts: When set to Yes, students can only do a homework once, without trying for an improved mark. If set to No and you are setting a **fixed question task**, the students will only need to reattempt incorrect questions. Note, students will not get the explanation/correct answer for incorrectly answered questions. This is to prevent students knowing the answers for subsequent attempts.

Require Working: When set to Yes, students must use the mini-whiteboard next to the question display to provide workings. Optional means the working will be recorded if provided.

Require Feedback: After students have answered a question, they have a box in which they can leave written reflections on the question for the teacher.

Time limit: When a time limit is chosen, the task will close after the elapsed time. The task should be completed in one sitting if a time limit is given.

Accuracy measure: selecting 'Use Exam marking' will allocate the student the number of marks the question is worth. Note that this option is only available when all questions are exam questions.

Set a task: By Topic- Flexible Questions

Set a Task

K178c: Factorise by taking a common algebraic factor out involving index laws.

Fixed Questions
Advantages: Everyone gets the same questions. Option to set as a formal assessment.

Flexible Questions
Advantages: More control over completion criteria, e.g. accuracy required. Differentiate by ability, with students advancing to harder Key Skills in your selection as they consistently get questions correct.

Live! Game
Intended for a classroom environment. Students see the questions on your own screen and play along on their mobile/tablet device.

[Continue](#)

To set flexible questions, select the subskills you require and then press **Set a task -> Flexible Questions'**. Remember you can select either subskill practice, or exam practice, but not both.

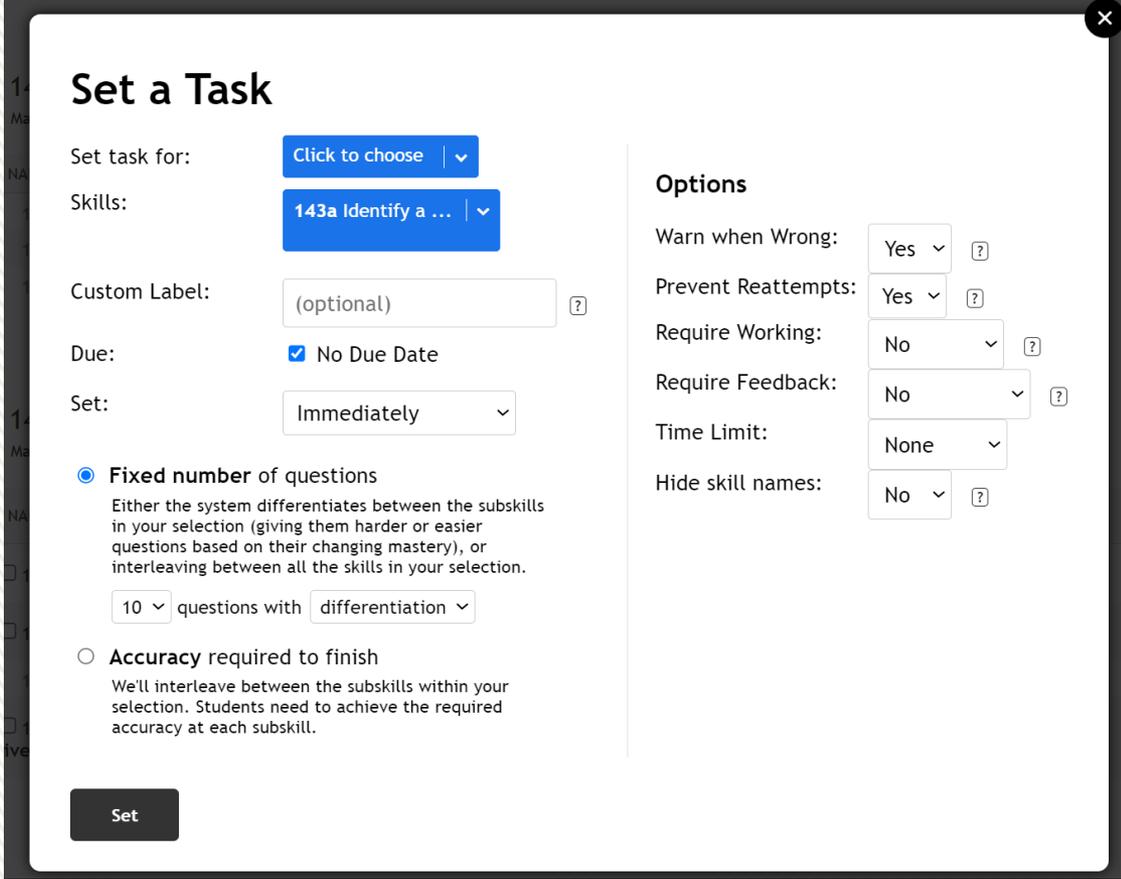
Tip: Make use of the example button and the refresh icon when selecting the subskills so you are confident you have made the right selection.

Set a task: By Topic- Flexible Questions

‘Fixed number of questions’ means each student will get the same number of questions.

- **with differentiation** means the system will increase the difficulty of the questions as the student demonstrates success with each subskill. If a student struggles gets a subskill incorrect, they will be given questions on this subskill until they get a correct answer.
- **with interleaving** means the system will rotate the subskills so the student has equal exposure to each type of question.

‘Accuracy required to finish’ means some students will answer more questions than others. It is recommended to choose this option if you want to ensure the student answers a minimum number of questions on each subskill and can demonstrate consistency getting their answers correct.



Set a Task

Set task for:

Skills:

Custom Label:

Due: No Due Date

Set:

Fixed number of questions
Either the system differentiates between the subskills in your selection (giving them harder or easier questions based on their changing mastery), or interleaving between all the skills in your selection.

questions with

Accuracy required to finish
We'll interleave between the subskills within your selection. Students need to achieve the required accuracy at each subskill.

Options

Warn when Wrong:

Prevent Reattempts:

Require Working:

Require Feedback:

Time Limit:

Hide skill names:

Set a task: By Topic- Flexible Questions

Prevent reattempts using Flexible Questions

When set to Yes, students can only do a homework once, without subsequently trying for an improved mark. If set to No, students will be shown the explanation/correct answer for incorrectly answered questions. When the student reattempts the task, they will need to complete the **full task again** (not just the incorrect questions). The system will give a new question set based on the same skill selection.

Set a Task

Set task for: Click to choose ▾

Skills: 143a Identify a ... ▾

Custom Label: ?

Due: No Due Date

Set: Immediately ▾

Fixed number of questions
Either the system differentiates between the subskills in your selection (giving them harder or easier questions based on their changing mastery), or interleaving between all the skills in your selection.

questions with ▾

Accuracy required to finish
We'll interleave between the subskills within your selection. Students need to achieve the required accuracy at each subskill.

Options

Warn when Wrong: Yes ▾ ?

Prevent Reattempts: Yes ▾ ?

Require Working: No ▾ ?

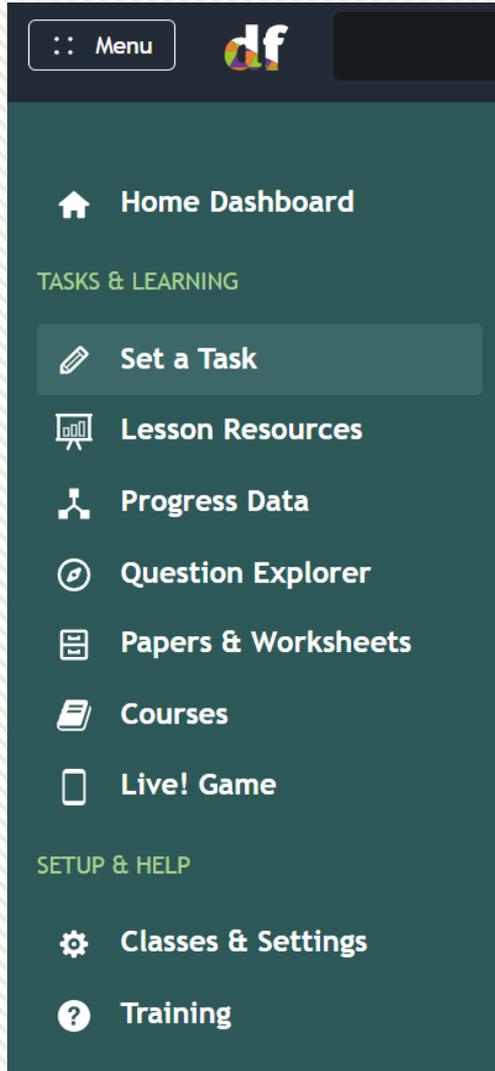
Require Feedback: No ▾ ?

Time Limit: None ▾

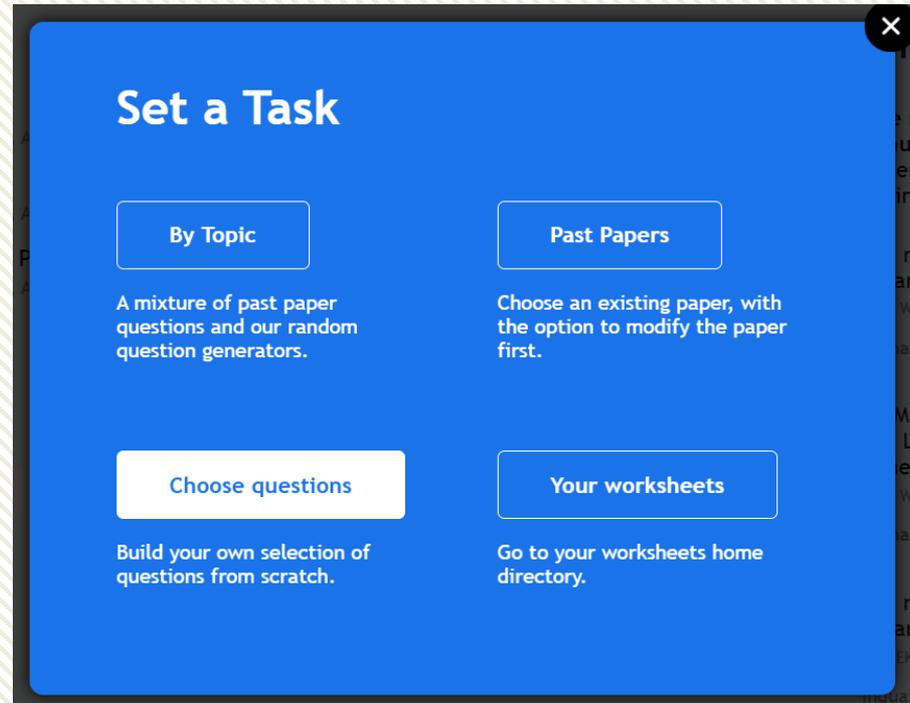
Hide skill names: No ▾ ?

Set

Set a task: Choose questions



Click the top left menu and choose 'Set a task' -> Choose questions. Alternatively click the Set a Task button on your home dashboard.



You can create a custom selection of questions, mixing past paper exam questions and randomly generated subskill questions. We call such a collection a **worksheet**. Worksheets can either be set to students as an online task, exported to Word, or played as a 'Live!' game.

Set a task: Choose questions

Menu  M McDonagh

← No saved location **New Worksheet** [Set as Task](#) [Save](#) [Save As](#) [Download](#) 

View [Edit](#)

[More Options](#)

Question 1 ×

Click to choose an exam question.



← Add a past paper **exam question** to your worksheet.

← Add a **subskill** question to your worksheet.

Set a task: Choose questions

You will see this box appear when choosing an exam question.

Use the 'Filter by Topic' drop down to browse by topic or by course.

Filter questions to your chosen exam board.

Choose the difficulty level of the questions.

The screenshot shows a web interface for selecting exam questions. At the top, there are filters: a dropdown menu showing '316 Rationalise ...', a button for 'Exam Questions Only', a difficulty level dropdown set to '2', and a 'filter by keywords' input. The main area is split into two columns. The left column lists several questions with their details, including exam board, year, question number, and difficulty level. The right column displays a detailed view of a selected question: '[Edexcel IGCSE(9-1) June 2018 2HR Q17b] Show that $\frac{\sqrt{20} + \sqrt{80}}{\sqrt{3}}$ can be expressed in the form \sqrt{a} where a is an integer. (3 marks)'. Below the question is an input field with a pencil icon. At the bottom of the interface are two blue buttons: 'Use this question' and 'Use all parts of this question'. Three callout boxes with arrows point to the filters and the question details.

316 Rationalise ... Exam Questions Only Difficulty: 2 filter by keywords

[Edexcel IGCSE Jan 2018 3H Q20b]
Given that a is a prime number,
simplify $\frac{5\sqrt{a} + a}{10\sqrt{a}}$...
Difficulty: [1 2 3 4]
Author: Edexcel

[CCEA GCSE Jan 2020 M8 P1 Q11a]
Rationalise the denominator of $\frac{28}{\sqrt{7}}$
Difficulty: [1 2 3 4]
Author: CCEA

[Edexcel IGCSE(9-1) June 2018
2HR Q17b] Show that $\frac{\sqrt{20} + \sqrt{80}}{\sqrt{3}}$...
Difficulty: [1 2 3 4]
Author: Edexcel

[OCR GCSE(9-1) Nov 2019 5H
Q13b] Simplify $\frac{20}{\sqrt{3}}$ fully by
rationalisin...

[Edexcel IGCSE(9-1) June 2018 2HR Q17b]
Show that $\frac{\sqrt{20} + \sqrt{80}}{\sqrt{3}}$
can be expressed in the form \sqrt{a} where a is an integer.
(3 marks)

Use this question Use all parts of this question

If the question has multiple parts, you have the option to select "Use all parts of this question".

Set a task: Choose questions

Menu   M McDonagh 

← No saved location
New Worksheet Set as Task Save Save As Download 

View Edit More Options  Total marks: 3

Question 1 1 2 3 4 

[Edexcel IGCSE(9-1) June 2018 2HR Q17b]

Show that

$$\frac{\sqrt{20} + \sqrt{80}}{\sqrt{3}}$$

can be expressed in the form \sqrt{a} where a is an integer.

Question 2 

Click to create a randomly generated question.


EXAM QUESTION


GENERATED QUESTION

If you click a blank subskill question box, you'll be required to search for a subskill. You can use the **Regenerate above** button to randomly generate a new question. Once you're happy with it, press **Use this**.

K317c Rationalis... 

Rationalise the denominator of

$$\frac{5}{\sqrt{7} + \sqrt{5}}$$

Give your answer in its simplest form.



Regenerate above Use this

Set a task: Choose questions

Menu  M McDonagh

← No saved location
New Worksheet

Set as Task Save Save As Download

View [Edit](#)

[More Options](#)

<p>Question 1 1 2 3 4</p> <p>Rationalise the denominator of</p> $\frac{7}{\sqrt{5}}$ <p><input type="text"/></p>	<p>Question 2 1 2 3 4</p> <p>Rationalise the denominator of</p> $\frac{8}{\sqrt{11}}$ <p><input type="text"/></p>	<p>Question 3 1 2 3 4</p> <p>Rationalise the denominator of</p> $\frac{12}{3 - \sqrt{3}}$ <p>giving your answer in the form $a + b\sqrt{3}$</p> <p><input type="text"/></p>	<p>Question 4 1 2 3 4</p> <p>Rationalise the denominator of</p> $\frac{2}{\sqrt{6} - 2}$ <p>giving your answer in the form $a + b\sqrt{6}$</p> <p><input type="text"/></p>
<p>Question 5 1 2 3 4</p> <p>[Edexcel IGCSE(9-1) June 2018 2HR Q17b]</p> <p>Show that</p> $\frac{\sqrt{20} + \sqrt{80}}{\sqrt{3}}$ <p>can be expressed in the form \sqrt{a} where a is an integer.</p>	<p>Question 6 1 2 3 4</p> <p>[Edexcel IGCSE Jan 2018 3H Q20b]</p> <p>Given that a is a prime number, simplify</p> $\frac{5\sqrt{a} + a}{10\sqrt{a}}$ <p>Give your answer in the form $x + y\sqrt{a}$, where x and y are fractions.</p>	<p>Question 7 1 2 3 4</p> <p>[Edexcel IGCSE May2014(R)-3H Q16b Edited]</p> <p>It can be shown that</p> $(5 + 3\sqrt{2})^2 = 43 + 30\sqrt{2}$ $(5 + 3\sqrt{2})^2 = p + \frac{q}{\sqrt{8}}$	<p>+</p> <p>EXAM QUESTION</p> <p>+</p> <p>GENERATED QUESTION</p>

Save the worksheet before you set it. You can set it as an online task, export it to Word, or play as a 'Live!' game.

Set a task: Choose questions

When you set the task, you will be given the same options as Set a task-> by topic -> fixed questions.

Set a Task

Set task for: Click to choose ▾

Worksheet: expanding brackets

Custom Label: ?

Due: No Due Date

Set: Immediately ▾

Set as a **Homework/Classwork**
Students get instant feedback after submitting each answer.

Set as an **Assessment**
Students do not see the answers until the due date specified by you. Students can not redo the assessment unless it is set again by the teacher.

Options

Warn when Wrong: Yes ▾ ?

Prevent Reattempts: Yes ▾ ?

Require Working: No ▾ ?

Require Feedback: No ▾ ?

Time Limit: None ▾

Accuracy measure: Each question worth the same ▾ ?

Set a task for a single class, multiple classes, or individuals.

The custom label is the name of the task as it appears on the student's dashboard. If this is left empty, then we'll use the names of the skills involved.

You can assign a due date and/or schedule the task to be released on a certain date and time.

The task can be completed as a homework/classwork or as an assessment.

If the task is set as an **assessment**, after students submit their answer, they receive the message "Your answer has been recorded". They will not know which answers are correct/incorrect until the specified due date, and the student **will not be able to change their answers** once they have submitted a response.

Set a task: Choose questions

Set a Task

Set task for: Click to choose ▾

Worksheet: expanding brackets

Custom Label: ?

Due: No Due Date

Set: Immediately ▾

Set as a Homework/Classwork
Students get instant feedback after submitting each answer.

Set as an Assessment
Students do not see the answers until the due date specified by you. Students can not redo the assessment unless it is set again by the teacher.

Options

Warn when Wrong: Yes ▾ ?

Prevent Reattempts: Yes ▾ ?

Require Working: No ▾ ?

Require Feedback: No ▾ ?

Time Limit: None ▾

Accuracy measure: Each question worth the same ▾ ?

Warn when wrong: When set to Yes, students will be warned once per question if their answer is incorrect. Excludes multiple choice questions.

Prevent reattempts: When set to Yes, students can only do a homework once, without trying for an improved mark. If set to No and you are setting a **fixed question task**, the students will only need to reattempt incorrect questions. Note, students will not get the explanation/correct answer for incorrectly answered questions. This is to prevent students knowing the answers for subsequent attempts.

Require Working: When set to Yes, students must use the mini-whiteboard next to the question display to provide workings. Optional means the working will be recorded if provided.

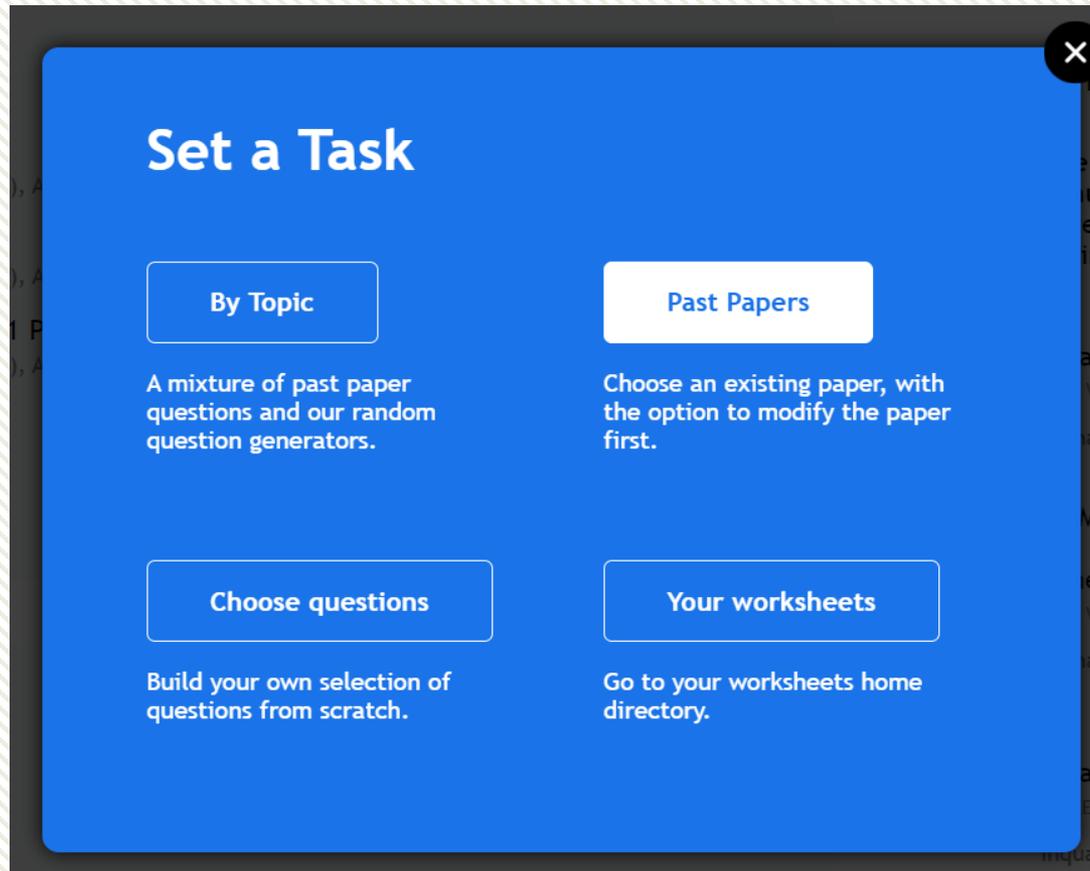
Require Feedback: After students have answered a question, they have a box in which they can leave written reflections on the question for the teacher.

Time limit: When a time limit is chosen, the task will close after the elapsed time. The task should be completed in one sitting if a time limit is given.

Accuracy measure: selecting 'Use Exam marking' will allocate the student the number of marks the question is worth. Note that this option is only available when all questions are exam questions.

Set a task: past papers

Go to Menu → Set a Task → Past Papers.



Set a Task

By Topic

A mixture of past paper questions and our random question generators.

Past Papers

Choose an existing paper, with the option to modify the paper first.

Choose questions

Build your own selection of questions from scratch.

Your worksheets

Go to your worksheets home directory.

Set a task: past papers

Menu



M McDonagh

+ New

My Home Folder

Choose an exam board and select a past paper.

Past Papers

Ravenpuff School

Revision

Topic Tests

Past Papers

Sort: Last Updated

Past papers from major exam boards such as Edexcel, OCR, AQA, the DfE Skills Testing Agency and the UK Mathematics Trust.



American Maths Association

13 worksheets

The American Maths Challenge and AIME (invitational Olympiad).



AQA

77 worksheets

GCSE papers and Further Maths Level 2 Certificate papers.



Cambridge Mathematical Institute

15 worksheets

The CTMUA, used as the admissions test for prospective undergraduates.



CEA

85 worksheets

Qualifications for Northern Ireland.



Eduqas

11 worksheets

GCSE papers for the Welsh exam board.



Mathematical Association

21 worksheets

Primary Maths Challenges.



NZQA

46 worksheets

New Zealand Qualifications Authority



OCR

179 worksheets

GCSE and A Level papers.



Oxford Mathematical Institute

18 worksheets

Mathematical Aptitude Test (MAT) papers, used by Oxford and Imperial for university admissions.



Pearson Edexcel

767 worksheets

GCSE, IGCSE and A Level papers.



SATS

132 worksheets

KS2 and KS3 SATs produced by the UK's Department for Education.



SQA

47 worksheets

Scottish Qualifications Authority. National 5, Higher and Advanced Higher.

Set a task: past papers

The screenshot shows the Edexcel GCSE(9-1) Nov 2020 3H past paper interface. At the top, there is a navigation bar with a menu icon, the 'df' logo, a search icon, and the user name 'M McDonagh'. Below the navigation bar, the breadcrumb trail reads '/ DFM / Past Papers / Pearson Edexcel / GCSE 9-1 Higher'. The main title is 'Edexcel GCSE(9-1) Nov 2020 3H'. On the right side of the main title, there are buttons for 'Set as Task', 'Save', 'Save As', and 'Download'. Below the main title, there are tabs for 'View' and 'Edit'. The 'View' tab is selected. The first question is 'Question 1' with a progress indicator '1 2 3 4'. The question text is '[Edexcel GCSE(9-1) Nov 2020 3H Q1a] Simplify $n^3 \times n^5$. (1 mark)'. There is an input field with a pencil icon and a 'Submit Answer' button. Below the input field are links for 'Report Error' and 'Edit'. The second question is 'Question 2' with a progress indicator '1 2 3 4'. The question text is '[Edexcel GCSE(9-1) Nov 2020 3H Q1b] Simplify $\frac{c^3d^4}{c^2d}$. (2 marks)'. There is an input field with a pencil icon and a 'Submit Answer' button. Below the input field are links for 'Report Error' and 'Edit'. On the right side of the page, there is a 'More Options' dropdown menu and 'Total marks: 80'. Three green callout boxes with arrows point to the 'Set as Task' button, the 'Edit' tab, and the 'More Options' dropdown menu.

Click 'Set a task' to set the past paper, without editing, to your students.

Or click 'Edit' to modify the paper before setting.

Click 'More options' to try as a student. Note that when a student answers an exam question, they will be shown the mark scheme for feedback. The student will have access to video help and will be able to answer the questions in any order.

Set a task: past papers

Menu  M McDonagh

DFM / Past Papers / Pearson Edexcel / GCSE 9-1 Higher

Edexcel GCSE(9-1) Nov 2020 3H

Set as Task Save Save As Download

View Edit

More Options Total marks: 80

Question 1 1 2 3 4 ×

[Edexcel GCSE(9-1) Nov 2020 3H Q1a]

Simplify $n^3 \times n^5$.

(1 mark)



Question 2 1 2 3 4 ×

[Edexcel GCSE(9-1) Nov 2020 3H Q1b]

Simplify $\frac{c^3d^4}{c^2d}$.

(2 marks)



Question 3 1 2 3 4 ×

[Edexcel GCSE(9-1) Nov 2020 3H Q1c]

Solve $\frac{5x}{2} > 7$.

(2 marks)

+ Add a Range ▾

Question 4 1 2 3 4 ×

[Edexcel GCSE(9-1) Nov 2020 3H Q1d]

Andy cycles an average of 15 km/h. He then runs an average speed of 8 km/h.

Work out the total time Andy takes. Give your answer in hours and minutes.

(3 marks)

Question 5 1 2 3 4 ×

[Edexcel GCSE(9-1) Nov 2020 3H Q3]

A number, m , is rounded to 1 decimal place. The result is 9.4. Complete the error interval for m .

..... $\leq m <$

Question 6 1 2 3 4 ×

[Edexcel GCSE(9-1) Nov 2020 3H Q4a]

Maisie knows that she needs 3 kg of grass seed to make a rectangular lawn 5 m by 9 m.

Grass seed is sold in 2 kg boxes.

Question 7 1 2 3 4 ×

[Edexcel GCSE(9-1) Nov 2020 3H Q4a]

Maisie knows that she needs 3 kg of grass seed to make a rectangular lawn 5 m by 9 m.

Grass seed is sold in 2 kg boxes.

Question 8 1 2 3 4 ×

[Edexcel GCSE(9-1) Nov 2020 3H Q5a]

Amanda has two fair 3-sided spinners.



Once finished, use the **Save As** button to save your modified copy, then use the **Set to Students** button as before.

In 'Edit' mode, you can now:

- Reorder questions by dragging the question boxes.
- Delete questions using the × in the top right corner of each box.
- Replace questions by clicking on the question within a box.
- Add questions by scrolling down and using the + buttons at the end of the worksheet.

Set a task: past papers

Recall, if a worksheet contains **all exam questions**, then the 'Accuracy Measure' drop down will be available to 'Use exam marking'. If 'Require working' is set to Yes, then you will be able to review written solutions and award method marks. For details on how to do this, please see page 68.

Set a Task

Set task for: [Click to choose](#) | v

Worksheet: CCEA GCSE Summer 2021 Foundation M6 Paper 1

Custom Label: ?

Due: No Due Date

Set: v

Set as a Homework/Classwork
Students get instant feedback after submitting each answer.

Set as an Assessment
Students do not see the answers until the due date specified by you. Students can not redo the assessment unless it is set again by the teacher.

Options

Warn when Wrong: v ?

Prevent Reattempts: v ?

Require Working: v ?

Require Feedback: v ?

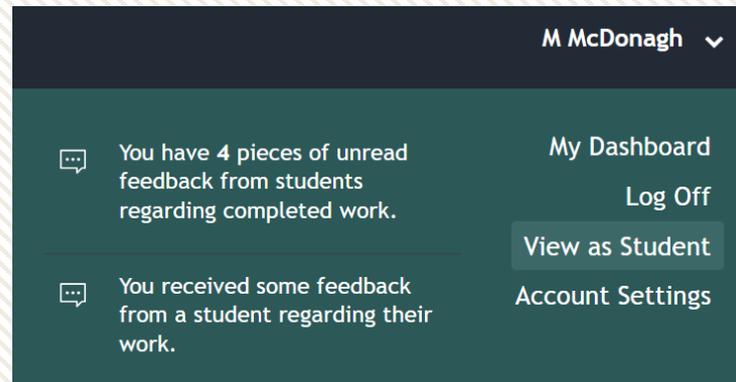
Require Videos: v ?

Time Limit: v

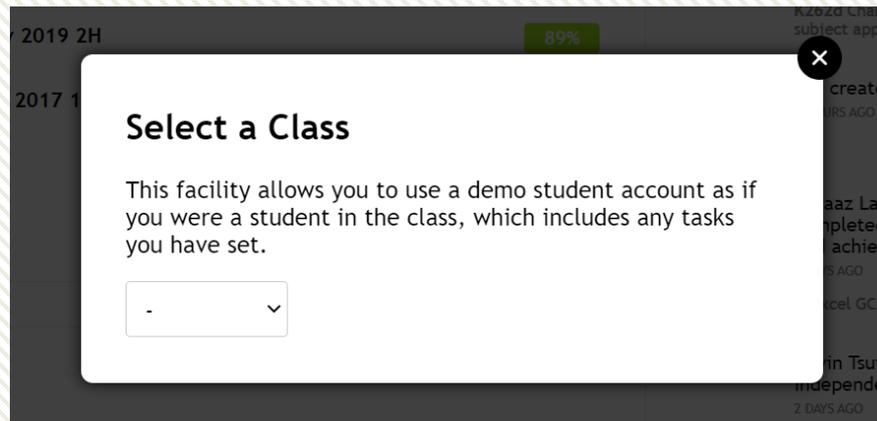
Accuracy measure: v ?

The student view

On the top account menu, choose 'View As Student'. Any work you set to the students in your class will also be set to the demo account. This enables you to see what the experience is like for a student.



Select a class. You will now be logged in as that demo account and will need to log off (and back in) if you wish to return to your own account.



The student view

Menu



Demo test Student 86



Demo test Student
Ravenpuff School

Trophies
6/37

Points This Year
594

Mastery
7 4 1

What to work on next?

Start a Practice

527 Laws of logs (excluding $\ln(x)$)

288 Pythagoras' theorem in 2D (excluding surds)

Review Progress

YOUR COURSES

GCSE Higher
A Level (Yrs1-2)

+Add Course

Notifications

- You have been set a task by your teacher Ms M McDonagh. Click to start it.
LAST WEEK
pythagoras
- You have been set a task by your teacher Ms M McDonagh. Click to start it.
3 WEEKS AGO
inequalities
- You have been set a task by your teacher Ms M McDonagh. Click to start it.
3 WEEKS AGO
Edexcel A Level June 2019 P1 Pure
- You have been set a task by your teacher Ms M McDonagh. Click to start it.
3 WEEKS AGO
logs
- You have been set a task by your teacher Ms M McDonagh. Click to start it.
3 WEEKS AGO
Expand and simplify
- You have been set a task by your teacher Ms M McDonagh. Click to start it.

My Homework

- ✗ pythagoras
- ✗ inequalities
- ✗ Edexcel A Level June 2019 P1 Pure

Review All

To experience a task as a student,
click on a homework task to begin.

Resources

The student view

The screenshot shows the top navigation bar with a 'Menu' button, the 'df' logo, a search icon, and the user name 'Demo test Student' with a red '87' badge. On the left, a sidebar contains 'Assigned Work', 'My Progress', and 'Leaderboards'. The main content area shows a task titled 'Expand and simplify' with a dropdown menu set to 'Attempt 1/1' and a blue 'Start Attempt' button. Below this, a light blue box contains the text 'Use the Start Attempt button above to start this task.' An arrow points from a callout box to the 'Start Attempt' button.

Assigned Work

My Progress

Leaderboards

← Expand and simplify Attempt 1/1 Start Attempt

Use the Start Attempt button above to start this task.

Click 'Start Attempt'.

The option to watch videos related to the skills in the task will appear for the students to watch if they wish.

The modal window has a title 'You're ready to go! Consider watching these videos before starting.' and a close button in the top right corner. It lists three video options, each with a video icon, a title, and a duration of 2 mins. A 'Start' button is located at the bottom of the modal.

You're ready to go! Consider watching these videos before starting.

- 252a Expand a single bracket with an integer on the front. 2 mins
- 252c Expand a single bracket requiring simplification. 2 mins
- 252d Expand a single bracket with an algebraic term at the front. 2 mins
- 252f Expand a single bracket with

Start

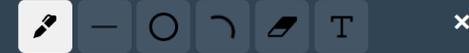
The student view



Secondary → Algebra → Expanding Brackets

252a: Expand a single bracket with an integer on the front.

Watch Worked Example



Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9

Video help is accessible within the task.

Expand

$$8(7y - 3)$$

Submit Answer

$$8(7y - 3)$$
$$56y - 24$$

Students can record working on the side whiteboard by clicking the pen icon.



Students type their answer in the box and can use the keypad below to input their answers using correct mathematical notation.

The student view



Your mastery for this skill has increased.

252 Expanding a single bracket

Watch Worked Example



+8

Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 Q21

COMPLETION
33%

Expand and simplify

$$5(2x - 3) + 2(x + 5)$$

Submit Answer

You can optionally leave a comment for your teacher about this question/your answer. Press Alt+Equals to insert mathematical expressions.

Send

✓ Correct

The answer is $12x - 5$

① Expand each bracket.

$$\begin{aligned} &5(2x - 3) + 2(x + 5) \\ &= 10x - 15 + 2x + 10 \end{aligned}$$

② Collect like terms.

$$\begin{aligned} &10x - 15 + 2x + 10 \\ &= 10x + 2x - 15 + 10 \\ &= 12x - 5 \end{aligned}$$

Next Question

Continue Later

Once they have submitted their answer, a comment box appears for the student to leave feedback.

The student can press 'Continue Later' if required.

The student view

The screenshot shows the 'dfm' platform interface. At the top left, it says 'Calculator Permitted', 'Author: CCEA', and 'Difficulty: 1 2 3 4'. A button 'Get Video Help on this Topic' is visible. The main task area shows a math problem: 'Given $(x + 1)(x - 1) = (x + a)^2$ find the values of a and b (4 marks)'. Below this, there are input fields for $a = 1$ and $b = 2$, a 'Submit Answer' button, and a comment box with a 'Send' button. A modal window is overlaid on the task, displaying the following information:

- You achieved 13/19**
- Points**: You earned 57 practice points.
- Mastery Progression**:
 - 80 Collect like terms.
 - 83 Expand a single bracket.
 - 179 Expand two brackets.
- Recommendations**:
 - [179 Expand two brackets.](#)
 - [291 Equate coefficients in an identity, \$||f\(x\) \equiv g\(x\)||\$.](#)

At the bottom of the modal are 'Exit' and 'Review Answers' buttons. In the background, a 'Correct' message and a 'Continue Later' button are partially visible.

At the end of the task the student will have earned practice points and their mastery progression with the skills in the task will be recorded. The student can review their answers and reattempt the task, if allowed.

The student view

Assigned Work

My Progress

Leaderboards

← Expanding brackets hwk

Attempt 2/2

Re-attempt Task

The student can click Re-attempt Task.

Question 1 0/1

8 secs

299d Expand an expression given in the form $(x \pm a)^2$ [Review](#)

STUDENT ANSWER:
[Report Error](#)

28

WORKING

What is the area of a square with sides of length $(4y + 7)$ cm?

Give your answer in terms of y and in the form $ay^2 + by + c$.

(1 mark)

[Write a new comment](#)

Question 2 1/1

2 mins

299d Expand an expression given in the form $(x \pm a)^2$ [Review](#)

CORRECT ANSWER:
[See full markscheme](#)

$9x^2 + 30x + 25$

STUDENT ANSWER:
[Report Error](#)

$9x^2 + 30x + 25$

What is the area of a square with sides of length $(3x + 5)$ cm?

Give your answer in terms of x and in the form $ax^2 + bx + c$.

(1 mark)

[Write a new comment](#)

The student can write comments after they have completed the task, if they prefer. They can also respond to a comment you have written when reviewing a task.

The student view

Question 1

0/1

8 secs

299d Expand an expression given in the form $(x \pm a)^2$ [Review](#)

STUDENT ANSWER:

[Report Error](#)

28

WORKING

What is the area of a square with sides of length $(4y + 7)$ cm?

Give your answer in terms of y and in the form $ay^2 + by + c$.

(1 mark)

Alternatively, the student can click 'Review' and complete further practice on the relevant skills. They should make note of the code e.g. 299d to ensure they select the right subskill to practise.

Progress data for an assigned task

Menu df M McDonagh

Ms M McDonagh
Ravenpuff School

School Rank **1876th** Points This Year **3,836** School Engagement **1/6** [Help & Training](#)

Work [My Worksheets](#) [View All Tasks](#)

- ✓ Expand and simplify
0/6 All of Further Maths, AB, Lucas (test), Acke, Gnats (test,Charms), Bones, Maisy (test), No due date
- ✓ pythagoras
0/6 All of Further Maths, AB, Lucas (test), Acke, Gnats (test,Charms), Bones, Maisy (test), No due date
- ✓ inequalities
0/6 All of Further Maths, AB, Lucas (test), Acke, Gnats (test,Charms), Bones, Maisy (test), No due date

[Set a Task](#)

Progress Data [View Student Progress](#)

[Week Summary](#) [Top Students](#)

Tasks set	1
Questions answered	48
Independent questions	18

Notifications

- The new DF Index was launched on 27th January. We now have over 5000 subskills covering various curricula. [Click here to see the entire list and the mappings to old skill codes.](#)
- Ms M McDonagh set a task to All of Further Maths, AB, Lucas (test), Acke, Gnats (test,Charms), Bones, Maisy (test).
41 MINUTES AGO
Expand and simplify
- You received some feedback from a student regarding their work.
LAST WEEK
pythagoras
- Ms M McDonagh set a task to All of Further Maths, AB, Lucas (test), Acke, Gnats (test,Charms), Bones, Maisy (test).
LAST WEEK
pythagoras
- You received some feedback from a student regarding their work.
3 WEEKS AGO
inequalities
- Ms M McDonagh set a task to All of Further

To review an assigned task, use the top left Menu -> Progress Data. Alternatively, click 'View Student Progress' on the dashboard.

Progress data for an assigned task

Menu



M McDonagh

Tasks

List

Marksheet

Student Progress

Leaderboards

Feedback

Assigned Tasks

7HB

07/08/2020

to

20/6/2021

TASK	SET DATE	DUE DATE	COMPLETED	AVG
Number Test 01 All of 7HB Homework	Mar 30th	None	3/28	100%
Prime factorisation homework Ar, Arthy (test 2), Arbitr, Rahul (7HB), Belludi, Rasnaam (7HB), Beran, Sinegan (7HB), Butler, Havi... Homework	Dec 2nd	Dec 6th 8:00am	26/27	86%
Year 7 Sequences Homework All of 7HB Homework	Nov 23rd	Nov 30th 8:00am	28/28	91%
Junior Maths Challenge 2008 All of 7HB Homework	Nov 8th	Nov 16th 7:30am	28/28	83%
Algebra review Ar, Arthy (test 2), Arbitr, Rahul (7HB), Belludi, Rasnaam (7HB), Beran, Sinegan (7HB), Butler, Havi... Homework	Oct 11th	Oct 19th 8:00am	27/27	79%
Y7 Order of operations homework All of 7HB Homework	Sept 23rd	Sept 27th 9:30am	28/28	98%
Junior Maths Challenge 2006 All of 7HB Homework	Sept 22nd	None	12/28	75%
Negative Numbers hw All of 7HB Homework	Sept 9th	Sept 12th 8:00am	27/28	92%

Select a class from the drop-down menu and click on the task you want to review.

Full Breakdown

← Algebra review
All of 7HB

Full Breakdown By Topic By Question

		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
		View	View	View	View											
Hw, Tfgpje View Attempts (3)	13/15 ✓ 145 mins	✓	✓	✓	✓	✓	F X	✓	✓	✓	✓	X	✓	✓	✓	✓
Kwkbyon, Kaiby View Attempts (1)	9/15 ✓ 100 mins	✓	✓	X	✓	✓	F X	✓	X	X	✓	X	✓	✓	✓	X
Gnkvrnk, Hrxugsp View Attempts (1)	9/15 ✓ 60 mins	✓	✓	X	✓	✓	F X	✓	✓	X	✓	X	W 0/4	✓	✓	X
Faszq, Fckpdhr View Attempts (1)	13/15 ✓ 27 mins	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	X	✓	✓	✓	✓
Jbwrtg, Qplhrq View Attempts (4)	12/15 ✓ 748 mins	✓	✓	✓	✓	✓	F X	✓	✓	X	✓	X	✓	✓	✓	✓
Fqnbhhr, Diqrd View Attempts (2)	13/15 ✓ 2178 mins	✓	✓	✓	✓	✓	F ✓	✓	✓	X	✓	X	✓	✓	✓	✓
Gzziano, Zylgbqoi View Attempts (1)	13/15 ✓ 30 mins	✓	✓	✓	✓	✓	F X	✓	✓	✓	✓	X	✓	✓	✓	✓

Cells with an F indicate feedback from the student or teacher has been recorded.

Cells with a W indicate the student has written working.

An orange tick indicates the student has reattempted the task and been successful on a subsequent attempt.

A brown/orange tick indicates the student got the correct answer after they received a 'warn when wrong' message.

Full Breakdown

← Algebra review
All of 7HB

[Full Breakdown](#) By Topic By Question

↻ 📄 ✎ 🗑️

		Q1 View	Q2 View	Q3 View	Q4 View	Q5 View	Q6 View	Q7 View	Q8 View	Q9 View	Q10 View	Q11 View	Q12 View	Q13 View	Q14 View	Q15 View
Hw, Tfgpje View Attempts (3)	13/15 ✓ 145 mins	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✗	✓	✓	✓	✓
Kwkbyon, Kaiby View Attempts (1)	9/15 ✓ 100 mins	✓	✓	✗	✓	✓	✗	✓	✗	✗	✓	✗	✓	✓	✓	✗
Gnkvrnk, Hrxugsp View Attempts (1)	9/15 ✓ 60 mins	✓	✓	✗	✓	✓	✗	✓	✓	✗	✓	✗	✗	✓	✓	✗
Faszq, Fckpdhr View Attempts (1)	13/15 ✓ 27 mins	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓
Jbwrtg, Qplhrq View Attempts (4)	12/15 ✓ 748 mins	✓	✓	✓	✓	✓	✗	✓	✓	✗	✓	✗	✓	✓	✓	✓
Fqnbhhr, Diqrd View Attempts (2)	13/15 ✓ 2178 mins	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓
Gzziano, Zylgbqoi View Attempts (1)	13/15 ✓ 30 mins	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✗	✓	✓	✓	✓

Click on an individual to review their responses, including their previous attempts, and to leave feedback.

Full Breakdown

← Rleot Uneqnvk
Algebra review

Attempt 1/2 ▾

Un-assign Task

Mark as Incomplete

Make Student Redo

The student will receive an email if you click 'Make student redo'.

Question 3

14 mins



K79d Substitution with negative numbers. [Review](#)

CORRECT ANSWER:
[See full markscheme](#)

$P = 20$

STUDENT ANSWER:
[Report Error](#)

$P = 116$

[Edexcel IGCSE(9-1) Jan 2019(R) 2F Q11d]

$$P = 3t^2 + 7t$$

Work out the value of P when $t = -4$

(2 marks)

[Write a new comment](#)

Leave feedback to an individual or send the same feedback to all students with the incorrect answer.



Ms M
McDonagh

You have....

Use feedback for all who got this question wrong.

Submit

Question 4

10 mins



CORRECT ANSWER:

8.66 miles

STUDENT ANSWER:
[Report Error](#)

8.66 miles

[Edexcel GCSE Nov-2006-4I Q25a]

When you are h feet above sea level, you can see d miles to the horizon, where

$$d = \sqrt{\frac{3h}{2}}$$

When you are 50 feet above sea level, how many miles can you see to the horizon? Give your answer correct to 3 significant figures.

[Write a new comment](#)

Update marks using exam marking

To award method marks when you have set a task to 'use exam marking', click on any cell where the student has been awarded 0 marks.

Tasks

- List
- Marksheet
- Student Progress
- Certificates
- Leaderboards
- Feedback

Y11 Exam Practice
Joe Bloggs

Full Breakdown By Topic By Question

Bloggs, Joe
View Attempts (2)

3/undefined
✓ 10 mins

Q1 View 3/3

Q2 View 0/3

Q3 View 0/4

Click on the score and use the drop down to update to the appropriate number of marks.

Question 2
2 mins

0/3

[AQA GCSE Nov 2012 1F Q21, AQA GCSE Nov 2012 1H Q11a]
ABC is a right-angled triangle.

Correct Answer:
See full markscheme
 $y = 20^\circ$

Student Answer:
Report Error
 $y = 60^\circ$

WORKING

Not drawn accurately

Not drawn accurately

Work out the size of angle y .
(3 marks)

Write a new comment

Current: 0/3

Update to: 0/3

0/3

1/3

2/3

3/3

Update

If written, you will see the student's working here.

'By Topic' view

The 'By Topic' view shows each student's progress with the associated Exam Skills/ subskills within the task. The subskills are ordered so that those appearing on the most left are the worst answered across the class.

← Algebra review
Ar, Arthy (test 2), Arbitr, Rahul (7HB), Belludi, Rasnaam (7HB), Beran, Sinegan...

Full Breakdown **By Topic** By Question

🔄 📄 ✎ 🗑️

	252d Expand a single bracket with an algebraic term at the front. 34% correct	194e Divide algebraic terms with powers. 39% correct	194j Raise an algebraic term to a positive integer power. 53% correct	197f Substitute negative numbers into more general algebraic expressions, including powers, roots and brackets. 73% correct	194d Multiply algebraic terms with powers. 76% correct	198 Forming linear algebraic expressions and formulae from a given context 77% correct	196a Substitute positive integers into an expression with one variable, including powers, roots and brackets. 90% correct	193d Collect like terms involving multiple variables and without powers. 93% correct	191d Multiply algebraic terms with positive coefficients (no powers). 97% correct	198a Form an expression with one operation and one variable. 97% correct	198g Write an expression or formula for the perimeter of a 2D shape. 97% correct	197a Substitute decimals into basic algebraic expressions involving arithmetic operations. 100% correct
Ov, Oxlq View Attempts (1)	0/1	0/2	1/1	0/1	0/1	1/1	0/1	1/2	1/1	0/1	0/1	1/1
Avwcawy, Smzxcwgs View Attempts (1)	0/1	0/2	0/1	0/1	1/1	0/1	1/1	2/2	1/1	1/1	1/1	1/1
Vgifw, Lhhgtzw View Attempts (1)	1/1	1/2	0/1	1/1	1/1	1/1	1/1	2/2	1/1	1/1	1/1	1/1
Woorqs, Zwlxof View Attempts (4)	0/4	1/4	0/3	1/1	1/1	1/1	1/1	2/2	1/1	1/1	1/1	1/1
Aozjmnk, Pkvwxouv View Attempts (1)	0/1	1/2	1/1	1/1						1/1	1/1	1/1
Lxirq, Xrjft View Attempts (1)	1/1	1/2	0/1	1/1						1/1	1/1	1/1
Dmigsov, Xgvb View Attempts (1)	0/1	1/2	1/1	1/1	1/1	1/1	1/1	2/2	1/1	1/1	1/1	1/1
NHYWL, Hrbvd Eav Ht Rzuu View Attempts (1)	0/1	1/2	1/1	1/1	1/1	1/1	1/1	2/2	1/1	1/1	1/1	1/1
Hmcoy, Mnzcptzp View Attempts (1)	0/1	1/2	0/1	1/1	1/1	1/1	1/1	2/2	1/1	1/1	1/1	1/1

You can use the code for the Exam Skill/ subskill to set follow up tasks.

'By Question' view

df M McDonagh

Tasks

- List
- Marksheet
- Student Progress
- Leaderboards
- Feedback

Algebra review

Ar, Arthy (test 2), Arbiter, Rahul (7HB), Belludi, Rasnaam (7HB), Beran, Sinegan...

Full Breakdown By Topic By Question

[Edexcel IGCSE May2015-3H Q9b]

Simplify

$$\frac{15e^2 f}{25ef^3}$$

(2 marks)

Send feedback for incorrect answers

Question 12

194e Divide algebraic terms with powers. [Review](#)

CORRECT ANSWER:
[See full markscheme](#)
 $\frac{3e}{5f^2}$

STUDENT ANSWERS:
[Report Error](#)

✓ 65%	$\frac{3e}{5f^2}$
✓ 6%	$\frac{3}{5}ef^{-2}$
✓ 6%	$0.6ef^{-2}$
✓ 3%	$\frac{3ef^{-2}}{5}$
✗ 3%	$\frac{1ef^2}{2ef^2}$
✗ 3%	$f^2 15ef^3$
✗ 3%	$10ef^{-2}$
✗ 3%	$35ef^5$
✗ 3%	$10e(f^2)$

Send a feedback comment to all the students with an incorrect response.

The 'By Question' view shows the percentage of students who got the answer correct and all the incorrect answers submitted. It is anonymous and can be used to review misconceptions with the class.

'By Question' view

← Algebra review
All of 7HB

Full Breakdown By Topic By Question



Question 5

K80d Collect like terms without powers. [Review](#)

CORRECT ANSWER:
[See full markscheme](#)

$7g - 2f$

STUDENT ANSWERS:
[Report Error](#)

✓ 74%	$7g - 2f$
✓ 10%	$-2f + 7g$
✓ 3%	$7g + -2f$
✗ 3%	$(10g - 2f) - 3g$
✗ 3%	$7g - 8f$
✗ 3%	$13g - 8f$
✗ 3%	g

[WJEC GCSE Autumn 2016 I1 Q4b]

Simplify the expression $10g - 5f - 3g + 3f$

(2 marks)

[Send feedback for incorrect answers](#)

Algebraically equivalent answers will be recorded as correct.

Generate the QLA for a task

Press the save icon to export to Excel or generate the Question Level Analysis (QLA) for the task.

The screenshot shows a web interface for an 'Algebra review' task. The top navigation bar includes a back arrow, the task title 'Algebra review' (with 'All of 7HB' below it), and tabs for 'Full Breakdown', 'By Topic', and 'By Question'. To the right of the tabs are icons for refresh, save, edit, and delete. A blue modal window titled 'Export to Excel' is centered on the screen, containing two buttons: 'QLA' and 'Full Breakdown'. Below the modal, a table displays student performance data. The table has columns for student names, marks, and question results (Q1 to Q15). The background of the table is color-coded: green for correct answers and red for incorrect ones.

Student	Marks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
Pk, Kmgran View Attempts (3)	13/15 ✓ 145 mins	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓
Wfpagsa, Dqdun View Attempts (1)	9/15 ✓ 100 mins	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✗
Pkppawk, Pblecmp View Attempts (1)	9/15 ✓ 60 mins	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✗
Fqcuw, Tauwkrl View Attempts (1)	13/15 ✓ 27 mins	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓

Generate the QLA for a task

The QLA is generated for each individual student. The student can then use the associated codes to practice the skills requiring further review. The easiest way for students to do this is by using the search bar.

Student A		
Algebra review		
Question	Skills	Score
	addition, subtraction, division and multiplication) 136c Substitute positive integers into simple expressions with more than one variable.	1 / 1
Q2	197 Substitution with decimals, negative integers and fractions 197a Substitute decimals into basic algebraic expressions involving arithmetic operations.	1 / 1
Q3	197 Substitution with decimals, negative integers and fractions 197f Substitute negative numbers into more general algebraic expressions, including powers, roots and brackets.	0 / 1
Q4	196 Further substitution with positive integers (including powers, roots and brackets) 196a Substitute positive integers into an expression with one variable, including powers, roots and brackets.	1 / 1
Q5	193 Collecting like terms 193d Collect like terms involving multiple variables and without powers.	1 / 1
Q6	252 Expanding a single bracket 252d Expand a single bracket with an algebraic term at the front.	0 / 1
Q7	193 Collecting like terms 193d Collect like terms involving multiple variables and without powers.	1 / 1
Q8	194 Algebraic index laws (basic) 194d Multiply algebraic terms with powers.	0 / 1
Q9	194 Algebraic index laws (basic) 194j Raise an algebraic term to a positive integer power.	0 / 1
Q10	191 Multiplying single algebraic terms (no index laws) 191d Multiply algebraic terms with positive coefficients (no powers).	1 / 1
Q11	194 Algebraic index laws (basic) 194e Divide algebraic terms with powers.	0 / 1
Q12	194 Algebraic index laws (basic) 194e Divide algebraic terms with powers.	1 / 1
Q13	198 Forming linear algebraic expressions and formulae from a given context 198a Form an expression with one operation and one variable.	1 / 1
Q14	198 Forming linear algebraic expressions and formulae from a given context 198g Write an expression or formula for the perimeter of a 2D shape.	1 / 1
Q15	198 Forming linear algebraic expressions and formulae from a given context	0 / 1
TOTAL		9 / 15

The screenshot shows a search interface with a search bar containing '194'. Below the search bar, a dropdown menu is open, displaying 'Skills (1) Users (30)'. The search results are categorized under 'Secondary → Number' and 'Powers, Roots & Laws of Indices'. The results list several skills related to 'Algebraic index laws (basic)', each with an 'Explore' button. An arrow from the table points to the search bar.

Building and assigning courses

Courses allow teachers and students to follow a sequence of learning from a scheme of work, an exam specification, or a publisher. A course allows for Exam Skills, subskills, worksheets and Dr Frost lesson PowerPoints to be organised within your desired learning order.

The navigation menu is located on the left side of the interface. It features a dark teal background with white text and icons. At the top, there is a 'Menu' button with a double colon icon and the 'df' logo. Below this, the 'Home Dashboard' is listed with a house icon. A section titled 'TASKS & LEARNING' in green text contains several options: 'Set a Task' (pencil icon), 'Lesson Resources' (document icon), 'Progress Data' (network icon), 'Question Explorer' (magnifying glass icon), 'Papers & Worksheets' (document icon), and 'Courses' (document icon), which is highlighted with a lighter teal background. Below this is 'Live! Game' (phone icon). A final section titled 'SETUP & HELP' in green text contains 'Classes & Settings' (gear icon) and 'Training' (question mark icon).

The screenshot shows the 'Ravenpuff School' course page. At the top, there is a dark header with a search bar, the 'df' logo, and the user name 'M. McDonagh'. Below the header is a breadcrumb trail: 'Courses → Schools → Ravenpuff School'. A 'View' toggle is visible on the right. The main content area features a large image of a school building. Below the image, there are three course cards. The first card is 'DFM Courses' with 16 courses available. The second card is 'Ravenpuff School' with 1 course available. The third card is 'Exam Boards & Publishers' with 20 courses available. To the right of these cards, there is a message: 'You have 3 further courses under development. Change the 'View' toggle to Edit in order to see these.' Below this message are two more course cards: 'Year 8 revision Assessment 1' and 'GCSE Foundation'. The 'Year 8 revision Assessment 1' card lists topics: Fractions and Decimals, Ratio and Proportion, Expressions and Formulae, Solving Equations, and Number, with a 'Go' button. The 'GCSE Foundation' card lists topics: Angles, Scale Drawings & Bearings, Basic Number, Factors & Multiples, Basic Algebra, Basic Fractions, Coordinates & Linear Graphs, Basic Decimals, Rounding, and Collecting & Representing Data.

Assigning a course

Menu

dfm

Search

M McDonagh

Courses → Schools → Ravenpuff School

View

This toggle allows teachers to switch between View and Edit mode. Once in Edit mode you can build courses and modify existing ones.

DFM Courses
16 courses available

Ravenpuff School
1 courses available

Exam Boards & Publishers
20 courses available

You have 3 further courses under development. Change the 'View' toggle to Edit in order to see these.

Year 8 revision Assessment 1

Fractions and Decimals
Ratio and Proportion
Expressions and Formulae
Solving Equations
Number

Go

GCSE Foundation

Angles
Scale Drawings & Bearings
Basic Number
Factors & Multiples
Basic Algebra
Basic Fractions
Coordinates & Linear Graphs
Basic Decimals
Rounding
Collecting & Representing Data

DFM Courses are in-house courses, for those not following a specific exam syllabus.

'Your School' will contain courses that your teachers have built.

Exam Boards & Publishers are courses by exam boards (e.g. Edexcel, AQA) and other publishers (e.g. White Rose Maths).

Assigning a course

Menu



M McDonagh



Courses → Publishers → AQA

Level 2 Certificate in Further Maths

Used



1. Number

- 1.1 Prerequisites
- 1.2 The product rule for counting
- 1.3 Manipulation of surds, including rationalising the denominator

2. Algebra

- 2.1 The basic processes of algebra
- 2.2 Definition of a function
- 2.3 Domain and range of a function
- 2.4 Composite functions
- 2.5 Inverse functions
- 2.6 Expand brackets and collecting like terms
- 2.7 Expand $(a + b)^n$ for positive integer n
- 2.8 Factorising
- 2.9 Algebraic fractions

3. Coordinate Geometry

- 3.1 Know and use the definition of a gradient
- 3.2 Gradients of parallel and perpendicular lines
- 3.3 Pythagoras' theorem to calculate distance
- 3.4 Using ratio to find coordinates
- 3.5 The equation of a straight line $y = mx + c$ and $y - y_1 = m(x - x_1)$
- 3.6 Draw a straight line
- 3.7 Equations of circles centred at $(0, 0)$

To assign an exam board/publisher/DFM course to your students, navigate to the course you want to use and press the toggle 'Use?'. It will now appear in your school courses area, where you can modify the course should you wish.

Assigning a course

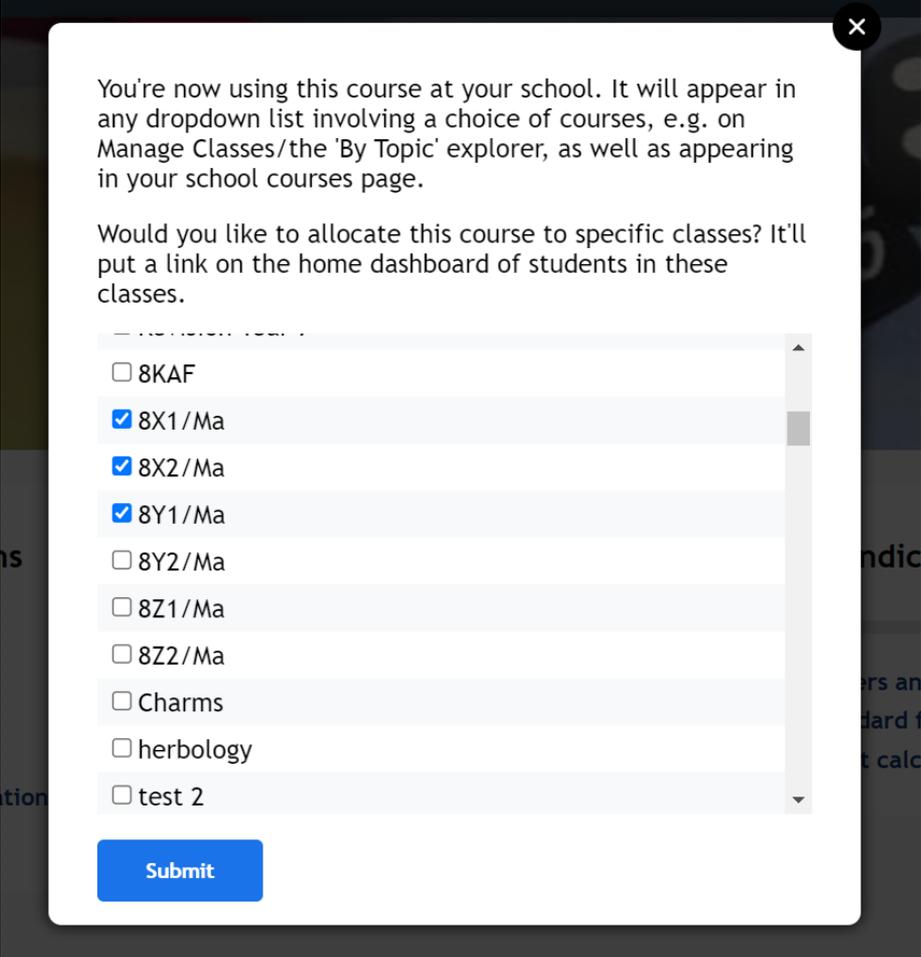
Assign the course to the relevant classes.

The course will now appear on your teacher dashboard and the students' dashboards.

Some benefits of using a course are

- a) You can browse 'by course' when using the question explorer.
- b) You can monitor student progress across a course
- c) Student may find it easier to search for relevant skills to practice when browsing by course.

You can also assign courses to classes from **Settings → Classes & Settings**, but the course must be 'Used' first.



A screenshot of a software interface for assigning a course to classes. The dialog box has a close button (X) in the top right corner. The text inside reads: "You're now using this course at your school. It will appear in any dropdown list involving a choice of courses, e.g. on Manage Classes/the 'By Topic' explorer, as well as appearing in your school courses page." Below this, it asks: "Would you like to allocate this course to specific classes? It'll put a link on the home dashboard of students in these classes." There is a scrollable list of class options, each with a checkbox. The selected options are 8X1/Ma, 8X2/Ma, and 8Y1/Ma. Other options include 8KAF, 8Y2/Ma, 8Z1/Ma, 8Z2/Ma, Charms, herbology, and test 2. At the bottom of the dialog is a blue "Submit" button.

You're now using this course at your school. It will appear in any dropdown list involving a choice of courses, e.g. on Manage Classes/the 'By Topic' explorer, as well as appearing in your school courses page.

Would you like to allocate this course to specific classes? It'll put a link on the home dashboard of students in these classes.

- 8KAF
- 8X1/Ma
- 8X2/Ma
- 8Y1/Ma
- 8Y2/Ma
- 8Z1/Ma
- 8Z2/Ma
- Charms
- herbology
- test 2

Submit

Building a course

df

Menu

M McDonagh

Courses → Schools →

Ravenpuff School

Edit

Change Banner

DFM Courses
16 courses available

Ravenpuff School
0 courses available

Exam Boards & Publishers
21 courses available

:: Year 8

Autumn 1A
Autumn 1B
Spring 1A

Go

+

Create a course

Click 'Create a course' and give the course a name.

To build a school course to align with a scheme of work, click on your school's courses folder and then click the **View** toggle to change to **Edit**. 'Create a course' will now appear.

Building a course

← Courses → Schools → Ravenpuff School

My New Course

✕ Edit Use?



Change Banner

1



Add a Module

Use this to add a module to your course. A module might represent a half term (e.g. 'Autumn 1') or a strand (e.g. 'Algebra 1').

Skip ← Back Next →

Add the modules for your scheme of work. These could be organised by time frame or content.

Building a course

Courses → Schools → Ravenpuff School

My New Course

Change Banner

Term 1A

- Place Value
- Decimals

+Add Unit

Term 1B

+Add Unit

Term 2A

+Add Unit

Term 2B

+Add Unit

Term 3A

+Add Unit

Term 3B

+Add Unit

Click **+Add Unit** and populate each module with the relevant units. If you need to change the teaching order, drag the units/modules into a new position. (Note, you cannot change the order of units within a module once you have clicked inside the module).

Building a course

Click into a module to add content to each unit.

Ravenpuff School → My New Course → Term 1A →

Decimals

← Edit

Change Banner

Term 1A

Place Value
0 skills

Decimals
0 skills

+Unit

This unit does not have any content. If this is your school's course, teachers toggle to change to 'Edit'.

Put any introductory information about this unit here. Click to update.

+Add Resource

Include links to DFM-produced downloadable resources related to this unit.

+Add Skill

Revision

Select all Key Skills
Select all Exam Practice

You may wish to include intended learning outcomes for the unit.

You can add additional units to your module by clicking this button.

Click the +Add Resources. You will be given the option to include Dr Frost lesson PowerPoints, worksheets you have created or Dr Frost worksheet collections. You can also add external links to other webpages.

Building a course

Ravenpuff School → My New Course → Term 1A →

Decimals

Change Banner

Term 1A

Place Value
0 skills

Decimals
0 skills

+Unit

This unit does not have any content. If this is your school's course, teachers should click the 'View' toggle to change to 'Edit'.

Put any introductory information about this unit here. Click to update.

+Add Resource

Include links to DFM-produced downloadable resources related to this unit.

+Add Skill

Revision

Select all Key Skills
Select all Exam Practice

Click + Add Skill. Search for skills in the usual way. You can add more than one skill at a time. Note that the skills will appear in numerical order, not in the order you select them. If you wish for skills to appear in a different order, we suggest adding more units and breaking the content down further.

Building a course



Ravenpuff School → My New Course → Term 1A →

Expanding brackets



Edit

Place Value

0 skills

Decimals

0 skills

Expanding brackets

1 skills



+Unit

+Add Skill

179 Expand two brackets.

Mastery: 58/100

Set a Task

Generate Worksheet

Exclude any subskills that are not relevant to your scheme of work. Press the 'Example' button to check for the relevance/difficulty of the questions.

OR NARROW DOWN

		VIDEO	DIFFICULTY	EXCLUDE?
<input type="checkbox"/> E179: Exam Practice: Expand two brackets.	Browse		1-4	<input type="checkbox"/> No
<input type="checkbox"/> K179a: Expand two brackets in the form $(x - a)(x + a)$.	Example		1	<input type="checkbox"/> No
<input type="checkbox"/> K179b: Expand two brackets in the form $(x \pm a)(x \pm b)$	Example		1	<input type="checkbox"/> No
<input type="checkbox"/> K179c: Expand an expression in the form $(x + a)^2$.	Example		2	<input type="checkbox"/> No
<input type="checkbox"/> K179d: Expand two brackets in the form $(ax + b)(cx + d)$.	Example		2	<input type="checkbox"/> No
<input type="checkbox"/> K179e: Expand a pair of brackets containing up to three terms.	Example		3	<input type="checkbox"/> No
<input type="checkbox"/> K179f: Expand expressions of the form $(ax + b)(cx + d) - (ex + f)(gx + h)$.	Example		4	<input checked="" type="checkbox"/> Yes
<input type="checkbox"/> K179g: Expand double brackets with subsequent simplification required.	Example		4	<input checked="" type="checkbox"/> Yes

Building a course



Ravenpuff School → My New Course → Term 1A →

Expanding brackets



Edit

Place Value

0 skills

Decimals

0 skills

Expanding brackets

1 skills



+Unit

+Add Skill

179 Expand two brackets.

Mastery: 58/100

Set a Task

Generate Worksheet

Exclude any subskills that are not relevant to your scheme of work. Press the 'Example' button to check for the relevance/difficulty of the questions.

OR NARROW DOWN

		VIDEO	DIFFICULTY	EXCLUDE?
<input type="checkbox"/> E179: Exam Practice: Expand two brackets.	Browse		1-4	<input type="checkbox"/> No
<input type="checkbox"/> K179a: Expand two brackets in the form $(x - a)(x + a)$.	Example		1	<input type="checkbox"/> No
<input type="checkbox"/> K179b: Expand two brackets in the form $(x \pm a)(x \pm b)$	Example		1	<input type="checkbox"/> No
<input type="checkbox"/> K179c: Expand an expression in the form $(x + a)^2$.	Example		2	<input type="checkbox"/> No
<input type="checkbox"/> K179d: Expand two brackets in the form $(ax + b)(cx + d)$.	Example		2	<input type="checkbox"/> No
<input type="checkbox"/> K179e: Expand a pair of brackets containing up to three terms.	Example		3	<input type="checkbox"/> No
<input type="checkbox"/> K179f: Expand expressions of the form $(ax + b)(cx + d) - (ex + f)(gx + h)$.	Example		4	<input checked="" type="checkbox"/> Yes
<input type="checkbox"/> K179g: Expand double brackets with subsequent simplification required.	Example		4	<input checked="" type="checkbox"/> Yes

Building a course

When your course is ready toggle 'Edit' back to 'View'. You can now toggle 'Use?' and assign to the relevant classes.

Courses → Schools → Ravenpuff School

My New Course

Change Banner

Term 1A

Term 1B

Term 2A

- Place Value
- Decimals
- Expanding brackets

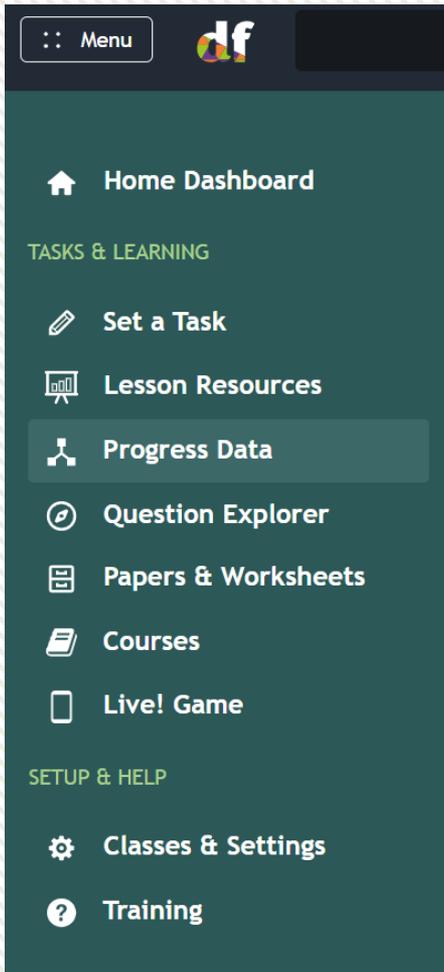
+Add Unit

+Add Unit

+Add Unit

Edit Use?

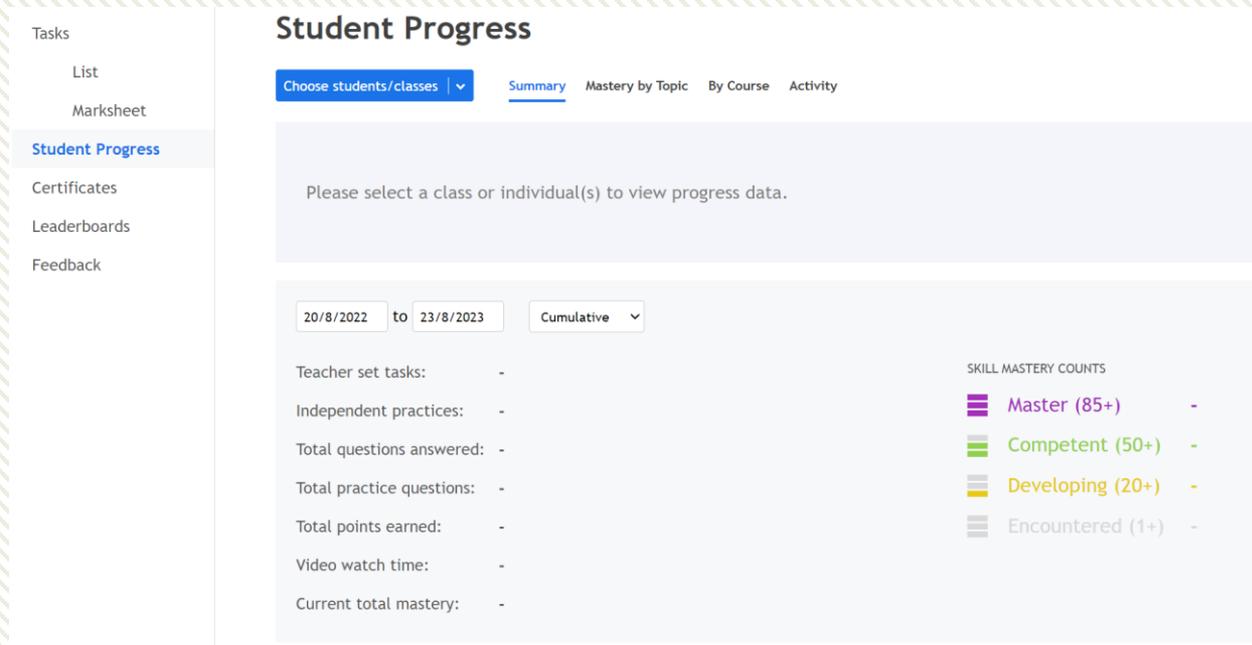
Student progress: by topic/course



The screenshot shows a dark green navigation menu on the left side of the interface. At the top, there is a 'Menu' button with a double colon icon and the 'df' logo. Below this, the menu is organized into sections: 'Home Dashboard' with a house icon; 'TASKS & LEARNING' with several options: 'Set a Task' (pencil icon), 'Lesson Resources' (document icon), 'Progress Data' (three people icon, highlighted in a lighter green), 'Question Explorer' (circular arrow icon), 'Papers & Worksheets' (document icon), 'Courses' (book icon), and 'Live! Game' (phone icon); and 'SETUP & HELP' with 'Classes & Settings' (gear icon) and 'Training' (question mark icon).

Use the left **Menu** -> **Progress Data** or click 'View Student Progress' from the dashboard.

Select 'Student Progress' and the relevant class.



The screenshot shows the 'Student Progress' dashboard. On the left is a sidebar menu with options: 'Tasks', 'List', 'Marksheet', 'Student Progress' (highlighted), 'Certificates', 'Leaderboards', and 'Feedback'. The main content area is titled 'Student Progress' and has a 'Choose students/classes' dropdown menu. Below this are tabs for 'Summary', 'Mastery by Topic', 'By Course', and 'Activity'. A message states: 'Please select a class or individual(s) to view progress data.' Below this is a date range selector showing '20/8/2022 to 23/8/2023' and a 'Cumulative' dropdown. The dashboard displays a list of metrics on the left and 'SKILL MASTERY COUNTS' on the right. The metrics list includes: 'Teacher set tasks: -', 'Independent practices: -', 'Total questions answered: -', 'Total practice questions: -', 'Total points earned: -', 'Video watch time: -', and 'Current total mastery: -'. The skill mastery counts are: 'Master (85+) -', 'Competent (50+) -', 'Developing (20+) -', and 'Encountered (1+) -'.

Viewing progress by mastery/course

The Summary view is useful for seeing aggregate activity stats for a class/student over a period.

Tasks

List

Marksheet

Student Progress

Certificates

Leaderboards

Feedback

Student Progress

11X1/Ma | Summary | Mastery by Topic | By Course | Activity

20/8/2022 to 23/8/2023

Cumulative
Cumulative
By Individual

Teacher set tasks: 12

Independent practices: 844

Total questions answered: 11,313

Total practice questions: 6,048

Total points earned: 34,967

Video watch time: 0 mins

55

Competent (50+) 204

Developing (20+) 712

Encountered (1+) 2370

STUDENT	TOTAL QS	PRACTICE QS	POINTS	VIDEO	MASTERY				
Vprun, Osbu	150	9	434	0 mins	913	62	6	2	0
Nvelgq, Sgoa	246	70	812	0 mins	1,585	80	19	3	0
Hccindb, Ltiyzxv	650	509	2412	0 mins	4,601	56	12	4	34
Otasal, Onuftde	192	60	568	0 mins	1,212	55	17	2	0
ADUPAMHW-AZSYR, Ywvmb	275	79	1039	0 mins	2,092	104	23	4	0
RJQDVOG, Gaeczz	179	0	661	0 mins	1,428	81	17	1	0
npekxdnvamhy, Vzsvzcr	631	405	2183	0 mins	4,624	80	56	20	2

By switching to 'By Individual', you can also see statistics by individual within your selection.

Viewing progress by mastery/course

The **Mastery by Topic** view allows you to search for a topic and view each student's mastery with the skills in that topic. Use the drop downs to navigate to your desired topic.

Student Progress

11X1/Ma | Summary | **Mastery by Topic** | By Course | Activity

Current Timeline

KS3/4 | Shape, Space & Measures | Circle Theorems

Circle Theorems 306 Understand and apply all circle theorems. 238 Further terms in relation to circles, including chord and segment. 307 Use the Intersecting Chord and Intersecting Secant theorems.

Student ID	Total Score	Skill 1	Skill 2	Skill 3
Sqqsxy, Wbty	8	8		
Rmxxvc, Uqhb	8	8		
Aqchydw, Rzjlrjg	199	100	100	100
Ytip 01F7/Eo Xubjyej,				
Okkkur, Pxvqoxh				
FTFUZRSQ-UWAAX, Umcwm	33	33		
HPYOGZF, Fqqifv	25	25		
bdezuxxoubvt, Bpcjzgm	116	83	33	
Upx, Kdrfnn	8	8		
Xqbegjo, Jlnnhzirq	42	42		
Uagg, Rtkvw	17	17		
Kusu, Yeao	25	25		
Pre, Nfcao	33	33		
Geqpiwycgg, Tbejjf	8	8		

Remember, student mastery goes up or down with each piece of assigned work or independent practice they undertake on the associated skill.

Viewing progress by mastery/course

If you have assigned a course to your class, you'll also be able to see mastery by course/module/unit.

9X1/Ma | Summary Mastery by Topic **By Course** Activity

Current Timeline

Year 9

Autumn 1

Factorising Quadratics

Factorising Quadratics

178 Factorise out a single term.

193 Factorise quadratics of the form $x^2 + bx + c$.

195 Factorise a quadratic where the coefficient of the x^2 term is not 1.

194 Factorise the difference of two squares.

196 Factorise more difficult non-quadratic expressions, e.g. combining factorisation techniques or requiring factorisation of a bracketed term.

	299	66	75	58	83	17
Zklirdo, Dzhdm	299	66	75	58	83	17
Woopt, Zgeg	116	8	50	50		8
Dhtfrfvgiizd, Tfcpewl	91	8	42	33	8	
Cqsilmigxdzngk, Hcks	183	17	58	66	25	17
Vzhtjzg, Indqyt	58	8	33	17		
Tzse 0U8/Ek Pmrzvj,						
Cncmwydzna, Oposqcc	100		42	50	8	
Dtacg, Ldlhgi	91	33	33	25		
Tcdrndtrk, Fqhoo	399	42	83	83	100	91

Viewing progress by activity

Finally, use **Activity** to see a timeline of all student activity, including independent practice.

11X1/Ma | v

Summary Mastery by Topic By Course Activity

20/8/2022

to

3/11/2022

All Activity v

You can change to 'Independent work' if you wish to monitor only this.

STUDENT	TASK	TIME TAKEN	WHEN	SCORE
Ywi, Lskp	Senior Maths Challenge 2012 Independent Practice	27 mins	3 hours ago	2/2
lcvj, Jzypq	E261 Exam Practice: Determine probabilities from Venn Diagrams, E219 Exam Practice: Construct Venn Diagrams, Independent Practice	8 mins	5 hours ago	6/10
Canh, Afnee	E284 Exam Practice: Understand the effect of the transformations $y = f(x + a)$ and $y = f(x) + a$ on simple functions, E285<... Independent Practice	39 mins	5 hours ago	5/10

Viewing progress by activity

11X1/Ma | v

Summary [Mastery by Topic](#) [By Course](#) [Activity](#)

20/8/2022

to

3/11/2022

All Activity



STUDENT	TASK	TIME TAKEN	WHEN	SCORE
Ywi, Lskp	Senior Maths Challenge 2012 Independent Practice	27 mins	3 hours ago	2/2
Icvj, Jzypq	E261 Exam Practice: Determine probabilities from Venn Diagrams, E219 Exam Practice: Construct Venn Diagrams, Independent Practice	8 mins	5 hours ago	6/10
Canh, Afnee	E284 Exam Practice: Understand the relationship between $y = f(x) + a$ on simple functions, Independent Practice			

Clicking any row will open the task attempt. Here you will be able to view the questions the student answered and leave feedback in the usual way.

← **Cypo Rae** Senior Maths Challenge 2012 Attempt 1/1 | Unassign Task | Mark as Incomplete

Question 1 20 mins ✓ [SMC 2012 Q1] Which of the following cannot be written as the sum of two prime numbers?

CORRECT ANSWER: See full markscheme
11

STUDENT ANSWER: Report Error
11

Write a new comment

Question 2 8 mins ✓ [SMC 2012 Q2] The diagram shows an equilateral triangle, a square and a regular pentagon which all share a common vertex. What is the value of θ ?

CORRECT ANSWER: See full markscheme
 $\theta = 102^\circ$

STUDENT ANSWER: Report Error
 $\theta = 102^\circ$

Leaderboards

Use the left Menu -> Progress Data and select 'Leaderboards'.

Menu

df

Home Dashboard

TASKS & LEARNING

Set a Task

Lesson Resources

Progress Data

Question Explorer

Papers & Worksheets

Courses

Live! Game

SETUP & HELP

Classes & Settings

Training

Leaderboards

Whole School ▾ Sort by mastery ▾ Use date range 📄

RANK	STUDENT	TOTAL MASTERY ?	TOTAL POINTS ?
1	Hfwph JMZFX (8X1/Ma)	9927	9204
2	Kcbydx RWAD (7RXH)	8865	18059
3	Scwpcwt Iq-Siwai (11Y2/Ma)	4467	12568
4	Kacw Aspz (11X1/Ma)	4241	13118
5	Eytpm Srcqajvq (11X1/Ma)	4210	4799
6	Nanj ZWLClUH	3588	31681

You can select the whole school, a whole year group or a specific class.

Leaderboards

Tasks

List

Marksheet

Student Progress

Certificates

School Stats

Leaderboards

Feedback

Leaderboards

Whole School ▾

Sort by mastery ▾

Use date range



RANK	STUDENT	TOTAL MASTERY [?]	TOTAL POINTS [?]
1	Hfwph JMZFX (8X1/Ma)	9927	9204
2	Kcbydx RWAD (7RXH)	8865	18059
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4	Kacw Aspz (11X1/Ma)	4241	13118
5	Eytpm Srcqajvq (11X1/Ma)	4210	4799
6	Nanj ZWLCIUH	3588	31681

You can specify a date range. If a date range is used then 'Total Mastery' will not be displayed.

Export the current leaderboard to Excel.

Generate a shadow paper

Menu



M McDonagh

/ DFM / Past Papers / Pearson Edexcel / IGCSE 9-1 Foundation
Edexcel IGCSE January 2020 Foundation Paper 2

Set as Task

Save

Save As

Download

View Edit

More Options Total marks: 100

- Delete Worksheet
- Generate Shadow Paper
- Try as a student

Question 1 1 2 3 4

[Edexcel IGCSE Jan 2020 2F Q1i]

Here is a list of numbers

13 14 18 23 30 36

From the numbers in the list, write down an odd number.

(1 mark)

Submit Answer

Report Error Edit

Question 2 1 2 3 4

[Edexcel IGCSE Jan 2020 2F Q1ii]

Here is a list of numbers

13 14 18 23 30 36

From the numbers in the list, write down the multiple of 4.

(1 mark)

Submit Answer

Open any saved worksheet. This could be a Past Paper or one of your own worksheets. Under the 'More Options' menu, choose **Generate Shadow Paper**.

Dr Frost Learning is a registered charity
in England and Wales (no 1194954)

Generate a shadow paper

The screenshot shows the Edexcel IGCSE worksheet generator interface. The top navigation bar includes a 'Menu' button, a search icon, and the user name 'M McDonagh'. The main content area is titled 'New Worksheet' and features a 'Generate' button. Below the title, there are 'View' and 'Edit' options. The main area displays a grid of question cards, each with a title, a skill identifier, and a refresh icon. A callout box highlights the refresh icon, stating: 'If an exam question has been identified but it is not a close enough match, use the refresh icon to generate a different exam question.' The interface also includes a sidebar with a list of questions and a bottom navigation bar with buttons for 'Set as Task', 'Save', 'Save As', and 'Download'.

Question 1 1 2 3 4

Question 2 1 2 3 4

Question 3 1 2 3 4

Question 4 1 2 3 4

Question 5 1 2 3 4

Question 6 1 2 3 4

Question 7 1 2 3 4

Question 8 1 2 3 4

Is 61 even or odd?

○ Even

○ Odd

Which of the following numbers is NOT a multiple of 2?

6, 8, 10, 18, 20, 22, 24, 41

Round 48.034 to 2 decimal places.

Mass	Frequency
4	1

Solve:

$$a + 7 = 9$$

$a =$

Select the mathematical name of this 3-D shape.

[Edexcel GCSE March2012-2F Q14d]

The map shows the temperatures in some cities one night last winter.

Use the ruler to measure the length of the line PQ drawn below.

The template will populate with questions, replacing the original question with a close matching alternative. A close match will be offered where a subskill within the original question can be identified. For more uncommon questions, the skill (not a subskill) is identified, and an exam question on the relevant skill is used.

Generate a shadow paper

The screenshot shows the Edexcel IGCSE shadow paper generator interface. The top navigation bar includes a menu, the 'df' logo, a search icon, and the user name 'M McDonagh'. The main interface is divided into three sections:

- Left Panel (Question List):** Lists questions 27 through 31. Each question card shows a skill (e.g., '86 Comparing and...'), a board ('Exam Questions Only'), a difficulty level ('1-3'), and a calculator setting ('Unspecified'). A green callout box with an arrow points to the 'Exam Code' filter (1 2 3 4) in the top right corner of the first question card.
- Central Workspace:** Displays the details for 'Question 27'. It includes options for 'Even' or 'Odd' numbers, a list of numbers (6, 8, 10, 18, 20, 22, 24, 41), and a text input field.
- Right Panel (Question Content):** Shows the content for 'Question 4', which includes a table of masses and frequencies, and 'Question 8', which includes a ruler measurement task.

Mass	Frequency
4	1
5	2
6	1

Question 5: Solve: $a + 7 = 9$
 $a =$

Question 6: Select the mathematical name of this 3-D shape.

Question 7: [Edexcel GCSE March2012-2F Q14d]
The map shows the temperatures in some cities one night last winter.

Question 8: Use the ruler to measure the length of the line PQ drawn below.

You will need to save the shadow paper as a new worksheet before clicking 'Set a Task'.

Create a worksheet template

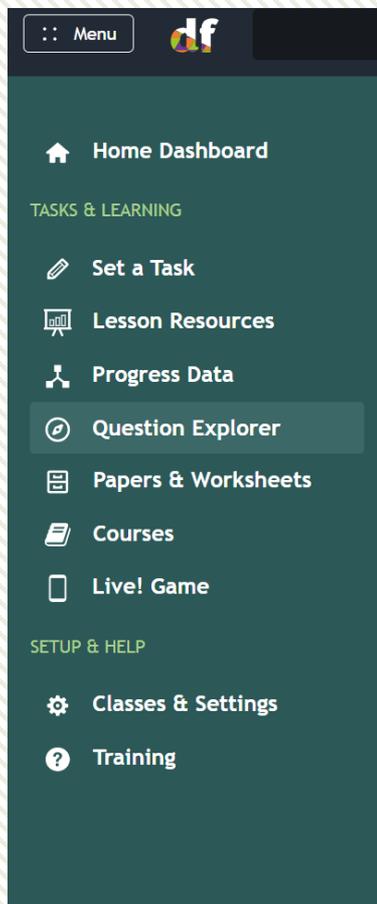
The screenshot shows a digital workspace for 'M McDonagh'. At the top, there is a navigation bar with a 'Menu' button, a search icon, and the user's name 'M McDonagh'. Below this, a sidebar on the left lists categories: 'Past Papers', 'Ravenpuff School', 'Revision', and 'Topic Tests'. The main area displays a grid of worksheet templates, each with an icon and a title. The templates are:

- core maths (0 worksheets)
- Year 12 (1 worksheet)
- algebra (1 worksheet)
- A Level (2 worksheets)
- Number (3 worksheets)
- Shape (7 worksheets)
- Retrieval practice Algebra (8 questions) - highlighted with a cog icon and an arrow
- Algebra skills (20 questions)
- Functional graphs (10 questions)
- Algebra review (20 questions)
- Quadratic retrieval (16 questions)
- Surds retrieval Y11 (12 questions)
- expand and simplify (10 questions)
- pythagoras Y8 (11 questions)
- inequality hwk (14 questions)
- logs (16 questions)
- expanding brackets (22 questions)
- perimeter (13 questions)
- changing the subject (11 questions)
- live game (6 questions)
- negative indices
- significant
- changing the
- changing the
- shadow paper

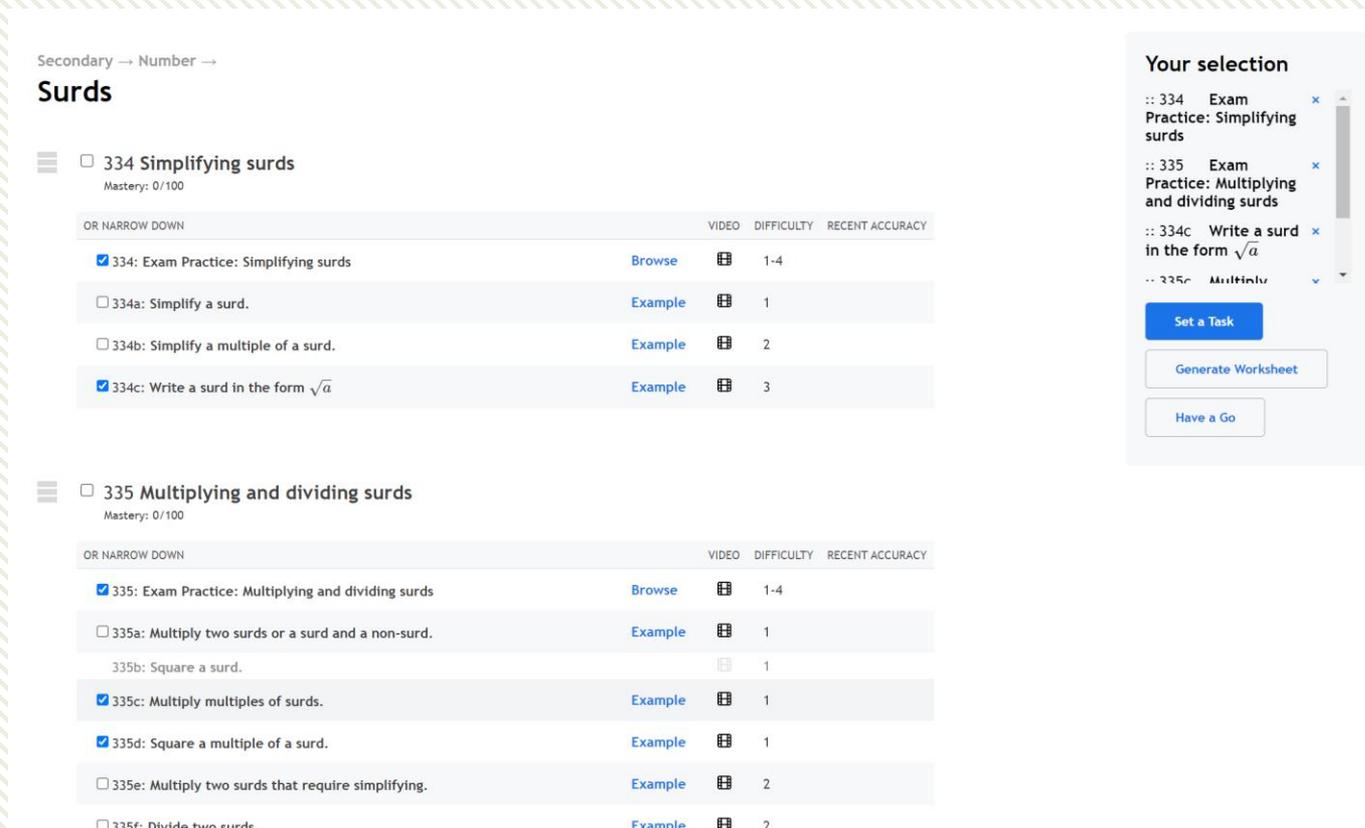
You can create a random collection of questions, with Exam Skills and/or subskills, which you can regenerate whenever you need a new set of questions. A great feature for retrieval practice! We use the cog icon for a worksheet template.

Create a worksheet template

From Menu → Question Explorer, select the skills or subskills you require then click the **Generate Worksheet** button. You can choose from Exam Questions or Question Generators for specific subskills.



The menu is located on the left side of the application. It features a dark teal background with white text and icons. At the top, there is a 'Menu' button with a double colon icon and the 'df' logo. Below this, the 'Home Dashboard' is listed with a house icon. The 'TASKS & LEARNING' section includes 'Set a Task' (pencil icon), 'Lesson Resources' (document icon), 'Progress Data' (network icon), 'Question Explorer' (circular arrow icon), 'Papers & Worksheets' (document icon), 'Courses' (book icon), and 'Live! Game' (mobile phone icon). The 'SETUP & HELP' section includes 'Classes & Settings' (gear icon) and 'Training' (question mark icon).



The main interface shows the 'Question Explorer' for 'Surds'. It is organized into two sections: '334 Simplifying surds' and '335 Multiplying and dividing surds'. Each section has a 'Mastery: 0/100' indicator and a table of questions. The table columns are 'OR NARROW DOWN', 'VIDEO', 'DIFFICULTY', and 'RECENT ACCURACY'. The '334' section includes questions like '334: Exam Practice: Simplifying surds' (difficulty 1-4) and '334c: Write a surd in the form \sqrt{a} ' (difficulty 3). The '335' section includes questions like '335: Exam Practice: Multiplying and dividing surds' (difficulty 1-4) and '335d: Square a multiple of a surd.' (difficulty 1). On the right, a 'Your selection' panel shows a list of selected questions with 'x' icons to remove them. Below this panel are three buttons: 'Set a Task', 'Generate Worksheet', and 'Have a Go'.

Create a worksheet template

Decide how many questions on each subskill you want to have in your template and whether you want the skills to interleave.

Generate Worksheet

334: Exam Practice: Simplifying surds
335: Exam Practice: Multiplying and dividing surds

This facility, using the skills you selected, allows you to create a fixed set of questions that you can either **set as a homework/assessment** or **export to Word** as a worksheet.

Num Questions:

Interleave Skills:

When set to Yes, questions will rotate between the chosen subskills. If set to No, questions of the same subskills will appear together.

Create a worksheet template

Use the drop down to 'Save Template As'. You can save it in your own teacher directory or in the school shared folder.

You can use the filters to make exam questions specific to an exam board, a difficulty level, or whether a calculator is allowed.

Question 1

Skill: 334 Simplifying ...

Board: Exam Questions Only

Difficulty: 1-3

Calculator? Unspecified

Question 2

Skill: 335 Multiplying ...

Board: Exam Questions Only

Difficulty: 1-3

Calculator? Unspecified

Question 3

Skill: 334c Write a sur...

Question 4

Skill: 335c Multiply mu...

Question 5 [1][2][3][4]

Simplify $(6\sqrt{3})^2$

Question 6 [1][2][3][4]

To simplify $\sqrt{48}$, we can start by writing $\sqrt{48} = \sqrt{16}\sqrt{3}$

What does $\sqrt{48}$ simplify to?

Question 7 [1][2][3][4]

Simplify:

$$\frac{\sqrt{14} \times 2\sqrt{3}}{2\sqrt{7}}$$

Question 8 [1][2][3][4]

Write $3\sqrt{2}$ in the form \sqrt{a} where a is an integer to be found.

Question 3 [1][2][3][4]

Write $2\sqrt{7}$ in the form \sqrt{a} where a is an integer to be found.

Question 4 [1][2][3][4]

Simplify $8\sqrt{5} \times 3\sqrt{11}$

Question 3 [1][2][3][4]

[CCEA GCSE Jan 2020 M8 P1 Q15] Which numbers in the list are irrational? (3 marks)

- $\frac{\pi^2}{4}$
- $\frac{\sqrt{27}}{\sqrt{2}}$
- $\frac{\sqrt{27}}{\sqrt{2}}$

Question 4 [1][2][3][4]

[Edexcel C1 May 2015 Q1a] Simplify $(2\sqrt{5})^2$ (1 mark)

Create a worksheet template

Menu

df

/ DFM / Bogwarts School 2 / Individuals / M McDonagh

surds retrieval

Generate

No saved location

surds retrieval

Save Options

Question 1

Skill: 334 Simplifying ...

Board: Exam Questions Only

Difficulty: 1-3

Calculator? Unspecified

Question 2

Skill: 335 Multiplying ...

Board: Exam Questions Only

Difficulty: 1-3

Calculator? Unspecified

Question 3

Skill: 334c Write a sur...

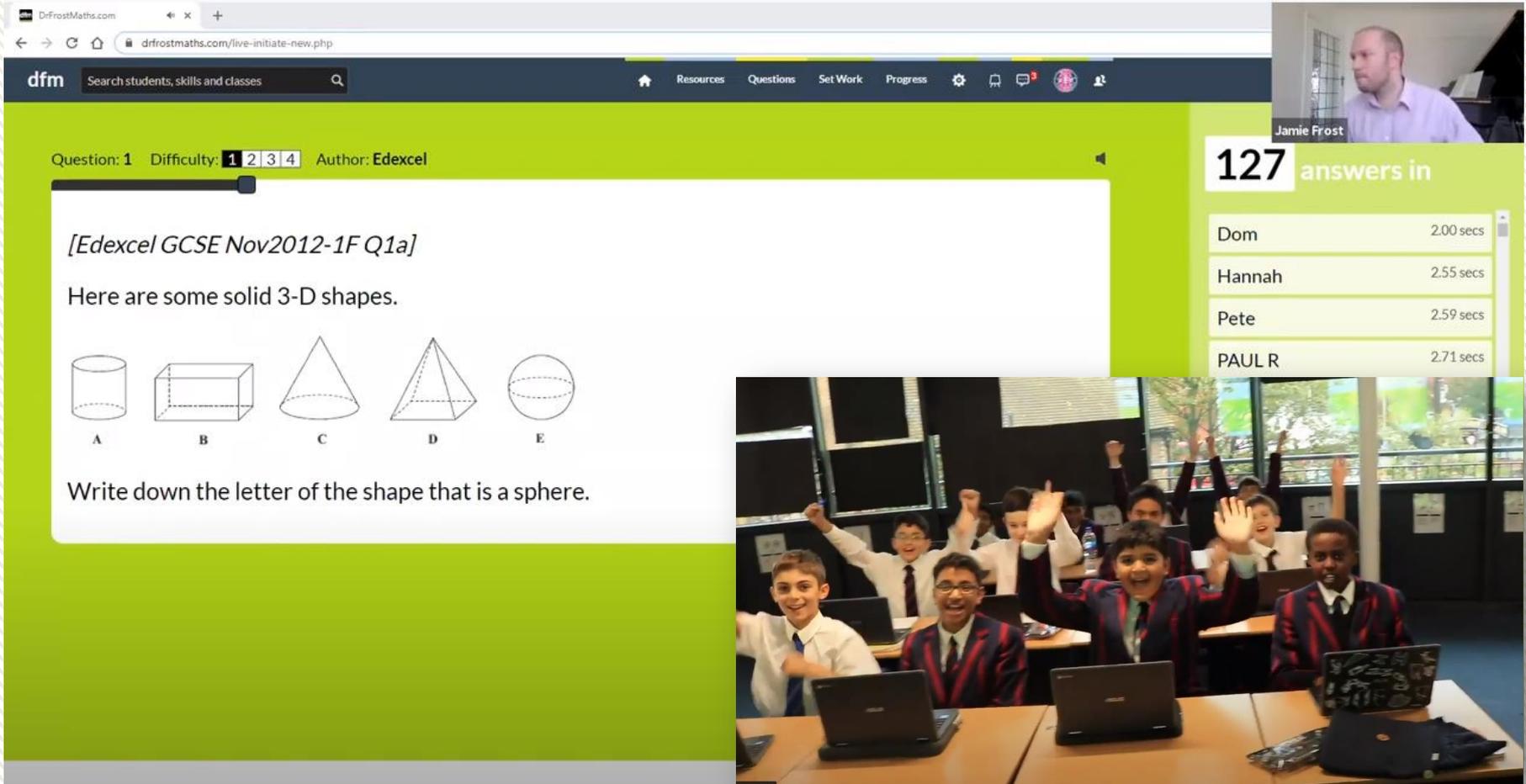
Specify the requirements for each question using the template generator on the left. When you're done, use the **Generate** button to generate a random worksheet.

You can then save and set this worksheet as homework in the usual way.

Once the template is saved, every time you access the template from your worksheet directory, the worksheet will be empty. Press **'Generate'** to populate the worksheet with questions. You will need to save the worksheet created from the template before you can set it to your class.

Live! Game

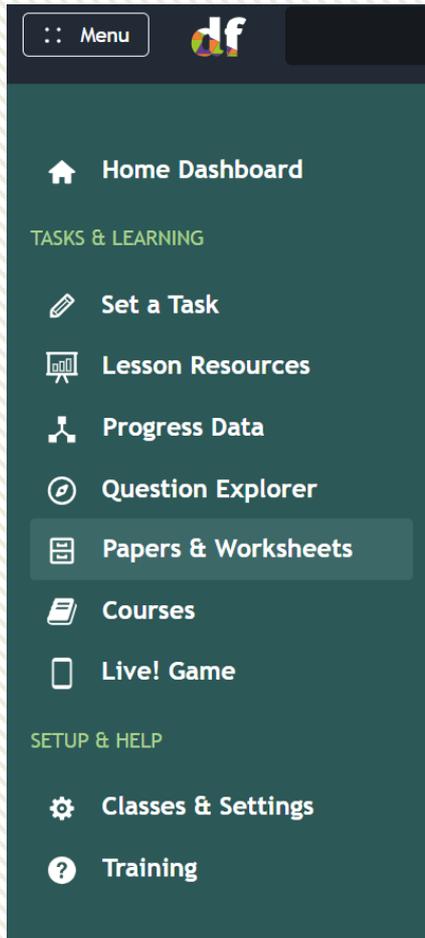
A Live! game is designed for a classroom environment. Questions are presented on the board one-by-one. Students use their mobile phones or tablet devices to enter their answers.



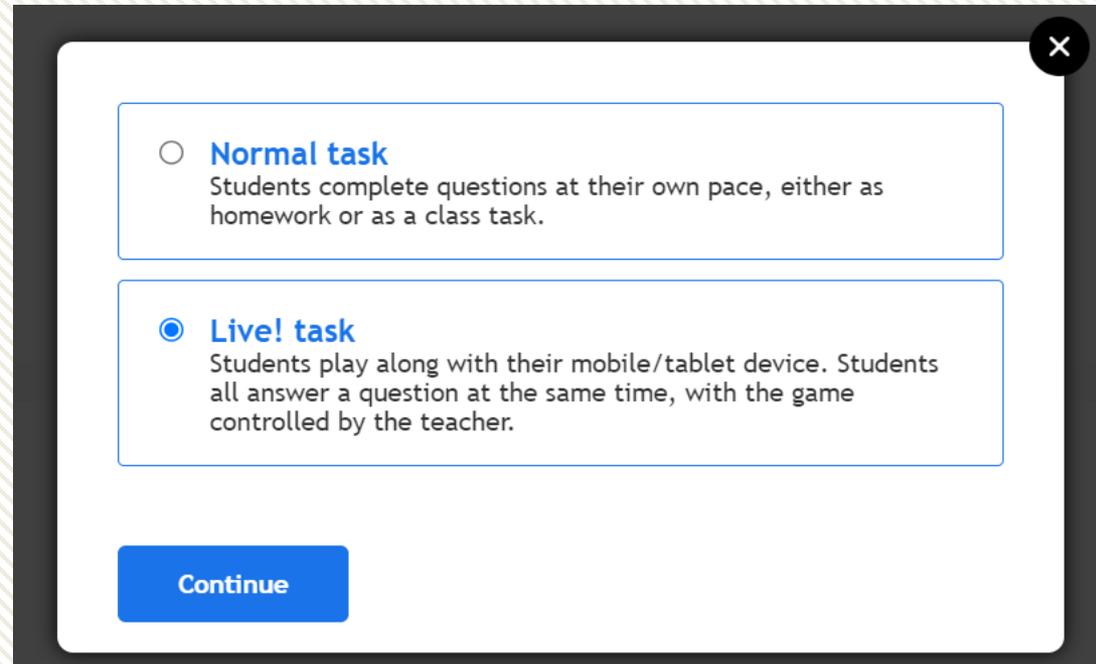
The screenshot shows the Dr Frost Maths website interface. At the top, there is a navigation bar with 'dfm' and a search bar. Below this, the question details are displayed: 'Question: 1 Difficulty: 1 2 3 4 Author: Edexcel'. The question text reads: '[Edexcel GCSE Nov2012-1F Q1a] Here are some solid 3-D shapes.' Below the text are five diagrams labeled A through E: A (cylinder), B (rectangular prism), C (cone), D (square-based pyramid), and E (sphere). The question asks: 'Write down the letter of the shape that is a sphere.' On the right side, a video feed shows Jamie Frost. Below the video, a scoreboard shows '127 answers in' and a list of student names with their response times: Dom (2.00 secs), Hannah (2.55 secs), Pete (2.59 secs), and PAUL R (2.71 secs). At the bottom right, there is a photo of a classroom full of students in school uniforms, many with their hands raised in excitement, sitting at desks with laptops.

Live! Game

A Live! game can be played from a saved worksheet, or the teacher can select subskill and/or Exam Practice from the question explorer and start a Live! Game immediately.

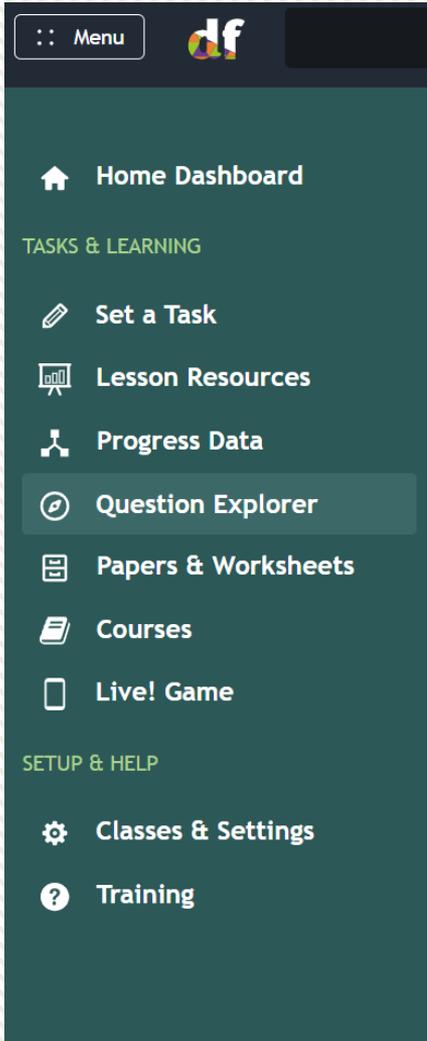


To play from a saved worksheet, go to **Menu-> Past Papers/Worksheets** and open a worksheet. Click the **Set a Task** button and choose 'Live Task'.

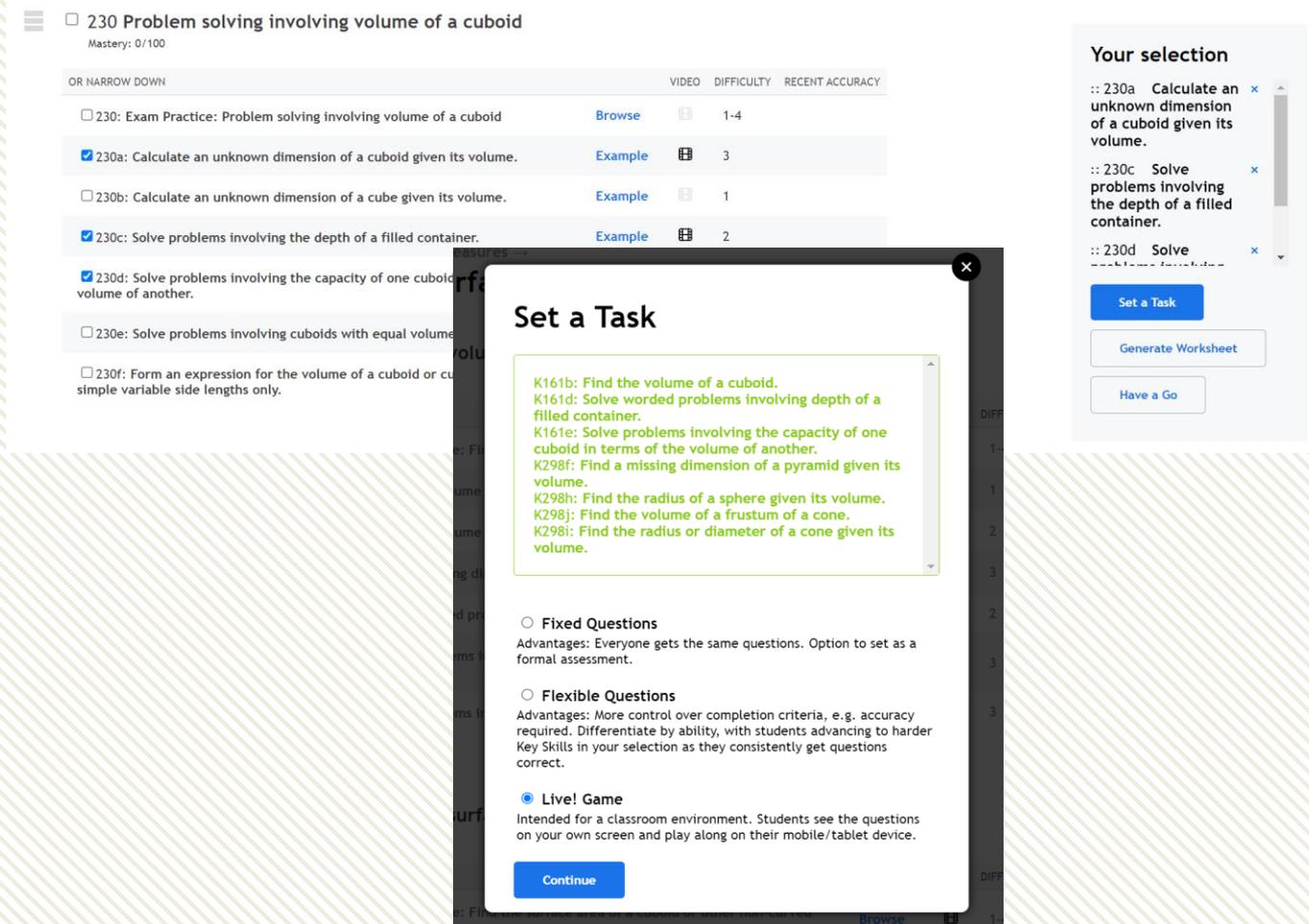


Live! Game

To play a Live! Game immediately from your subskill and/or Exam Skill selection, go to **Menu -> Question Explorer**. Select the subskills you want to be used and press **'Set a Task'** and then choose **'Live! Game'**.



The screenshot shows a dark-themed sidebar menu. At the top, there is a 'Menu' button with a double colon icon and a logo with the letters 'df'. Below this, the 'Home Dashboard' is listed with a house icon. Under the heading 'TASKS & LEARNING', there are five items: 'Set a Task' (pencil icon), 'Lesson Resources' (document icon), 'Progress Data' (people icon), 'Question Explorer' (circular arrow icon, highlighted in a light blue bar), 'Papers & Worksheets' (document icon), and 'Courses' (book icon). Under the heading 'SETUP & HELP', there are three items: 'Classes & Settings' (gear icon) and 'Training' (question mark icon).



The screenshot shows the 'Set a Task' dialog box overlaid on a list of math problems. The dialog box has a title 'Set a Task' and a close button (X) in the top right corner. It contains a list of selected subskills in a text area: 'K161b: Find the volume of a cuboid.', 'K161d: Solve worded problems involving depth of a filled container.', 'K161e: Solve problems involving the capacity of one cuboid in terms of the volume of another.', 'K298f: Find a missing dimension of a pyramid given its volume.', 'K298h: Find the radius of a sphere given its volume.', 'K298j: Find the volume of a frustum of a cone.', and 'K298i: Find the radius or diameter of a cone given its volume.' Below the text area are three radio button options: 'Fixed Questions' (with advantages: Everyone gets the same questions. Option to set as a formal assessment.), 'Flexible Questions' (with advantages: More control over completion criteria, e.g. accuracy required. Differentiate by ability, with students advancing to harder Key Skills in your selection as they consistently get questions correct.), and 'Live! Game' (which is selected). Below these options is a 'Continue' button.

Background content (Question Explorer):

- 230 Problem solving involving volume of a cuboid
Mastery: 0/100
- OR NARROW DOWN
- 230: Exam Practice: Problem solving involving volume of a cuboid [Browse](#) 1-4
- 230a: Calculate an unknown dimension of a cuboid given its volume. [Example](#) 3
- 230b: Calculate an unknown dimension of a cube given its volume. [Example](#) 1
- 230c: Solve problems involving the depth of a filled container. [Example](#) 2
- 230d: Solve problems involving the capacity of one cuboid in terms of the volume of another.
- 230e: Solve problems involving cuboids with equal volumes
- 230f: Form an expression for the volume of a cuboid or cylinder in terms of simple variable side lengths only.

Background content (Your selection):

- :: 230a Calculate an unknown dimension of a cuboid given its volume. [x](#)
- :: 230c Solve problems involving the depth of a filled container. [x](#)
- :: 230d Solve problems involving the capacity of one cuboid in terms of the volume of another. [x](#)

Live! Game

Select an option for participants

This allows you to control whether login is required to join the game, and whether participants are allowed to use a custom nickname.

Select a class

- DFM login required (no nicknames)
- DFM login required (nicknames allowed)
- Guests allowed
- Select a class**

In the normal mode, the fastest correct answer gets 1000 points, with a minimum of 500 for a correct answer.

Faster answers get more points

What appears on student screens?

If you're doing the game remotely, choose for the question to appear on your students' screens.

Answer input only

Start Game

If you're playing with a school class, choose the **'Select a class'** option at the top. This will make it easier to know which students haven't yet joined the game.

Turn the speed bonus off if preferred.

It is recommended to choose 'Question and answer input' when running a Live! Game remotely, or if the questions come with diagrams which may be difficult to see from the front of the class.

Live! Game



Passcode: 435718

Join: dfm.live



Awaiting people to join...

Students need to type **dfm.live** on their device's browser and enter the join code given. As people join, they'll appear in the participant list. If you have selected a class, their names will be listed, but will be greyed out until each joins.



Passcode: 435718

Join: dfm.live



Start

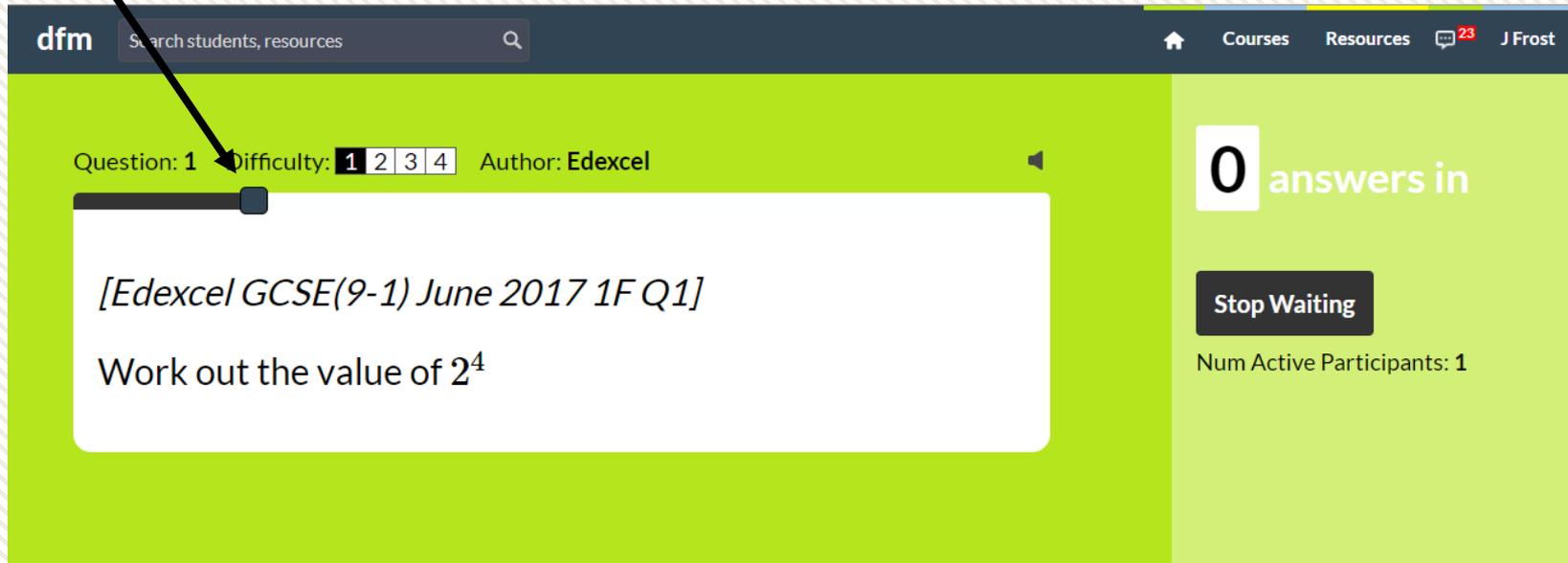
These people have joined so far... (1)

EulerRocks x

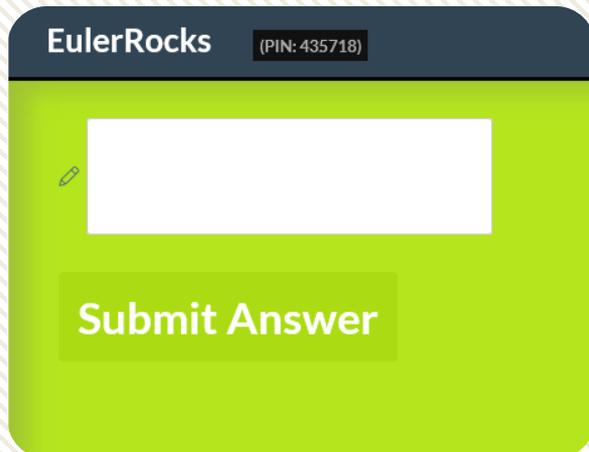
When everyone has joined, click the **Start** button that will appear at the top-right.

Live! Game

Use the zoom slider to make the question smaller or larger.



The screenshot shows the dfm Live! Game interface. At the top, there is a search bar with the text "Search students, resources" and a magnifying glass icon. To the right of the search bar are navigation links for "Courses", "Resources", and a chat icon with "23" next to it, followed by the user name "J Frost". Below the search bar, the question is displayed: "Question: 1 Difficulty: 1 2 3 4 Author: Edexcel". A zoom slider is positioned above the question text, with an arrow pointing to it from the text box above. The question text is "[Edexcel GCSE(9-1) June 2017 1F Q1] Work out the value of 2^4 ". To the right of the question, there is a large "0" followed by "answers in", a "Stop Waiting" button, and "Num Active Participants: 1".



The screenshot shows the EulerRocks student interface. At the top, there is a header with "EulerRocks" and a PIN: 435718. Below the header is a large white input field for the answer. At the bottom of the interface is a "Submit Answer" button.

Students will see something like this on their device. Note that if the answer is algebraic, the student will need to use the pop up a keypad to input their answer. You may need to factor this into your waiting time if the input is complex.

Live! Game

dfm Search students, resources

Question: 1 Difficulty: **1** 2 3 4 Author: Edexcel

[Edexcel GCSE(9-1) June 2017 1F Q1]

Work out the value of 2^4

0 answers in

Stop Waiting

Num Active Participants: 1

The question will end once all students have entered an answer, and the correct answer will be displayed. You can press **Stop Waiting** at any time. You'll have the option to view your students' answers after each question, but please note that **student responses are not saved within progress data** and their accuracy does not go towards their mastery with the associated skills.

At the end of the game, students will see their rank on their screen, and the leaderboard will appear on the teacher screen.

Organising the worksheet directory

My Home Folder

+ New

← M McDonagh

Sort: Last Updated

Sort alphabetically

A Directory

A worksheet

A Template

core maths 0 worksheets	Year 12 1 worksheet	algebra 1 worksheet	A Level 2 worksheets	Number 3 worksheets
Shape 7 worksheets	surds retrieval 10 questions	Retrieval practice Algebra 8 questions	Algebra skills 20 questions	Functional graphs 10 questions
Algebra review 20 questions	Quadratic retrieval 16 questions	Surds retrieval Y11 12 questions	expand and simplify 10 questions	pythagoras Y8 11 questions
inequality hwk 14 questions	logs 16 questions	expanding brackets 20 questions	perimeter 13 questions	changing the subject 11 questions
live game 6 questions	negative indices 20 questions	significant figures 11 questions	changing the subject 10 questions	changing the subject 14 questions

Click on your school's name to access shared folders and restricted folders.

Organising the worksheet directory

+ New My Home Folder

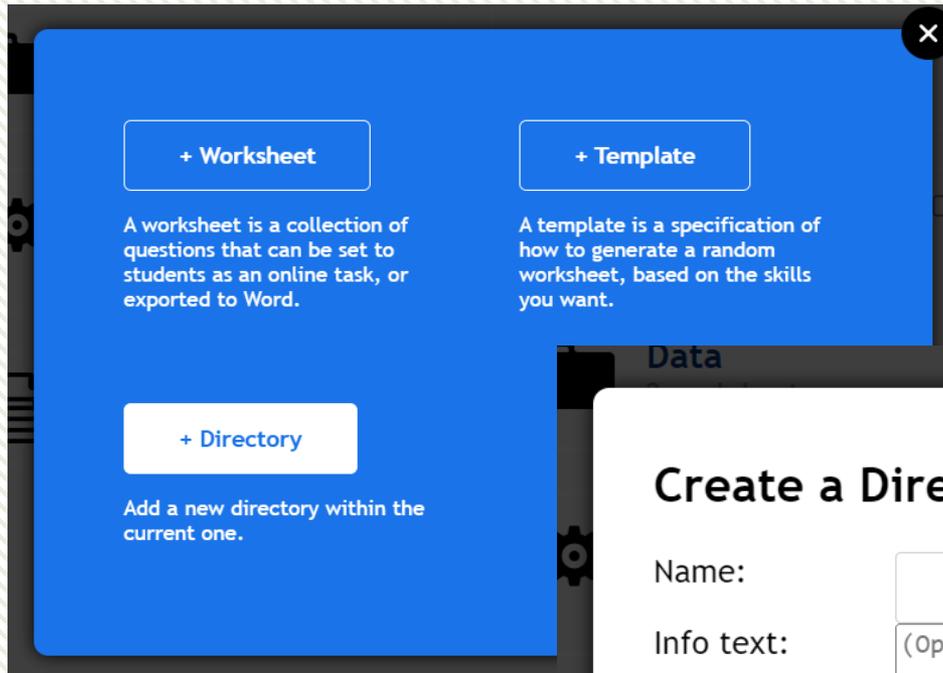
Click +New to add a new worksheet, template or directory.

← M McDonagh

Sort: Last Updated

- core maths 0 worksheets
- Year 12 1 worksheet
- algebra 1 worksheet
- A Level 2 worksheets
- Number 3 worksheets
- Shape 7 worksheets
- surds retrieval 10 questions
- Retrieval practice Algebra 8 questions
- Algebra skills 20 questions
- Functional graphs 10 questions
- Algebra review 20 questions
- Quadratic retrieval 16 questions
- Surds retrieval Y11 12 questions
- expand and simplify 10 questions
- pythagoras Y8 11 questions
- inequality hwk 14 questions
- logs 16 questions
- expanding brackets 22 questions
- perimeter 13 questions
- changing the subject 11 questions
- live game 6 questions
- negative indices 20 questions
- significant figures 11 questions
- changing the subject 10 questions
- changing the subject 14 questions

Organising the worksheet directory



+ Worksheet

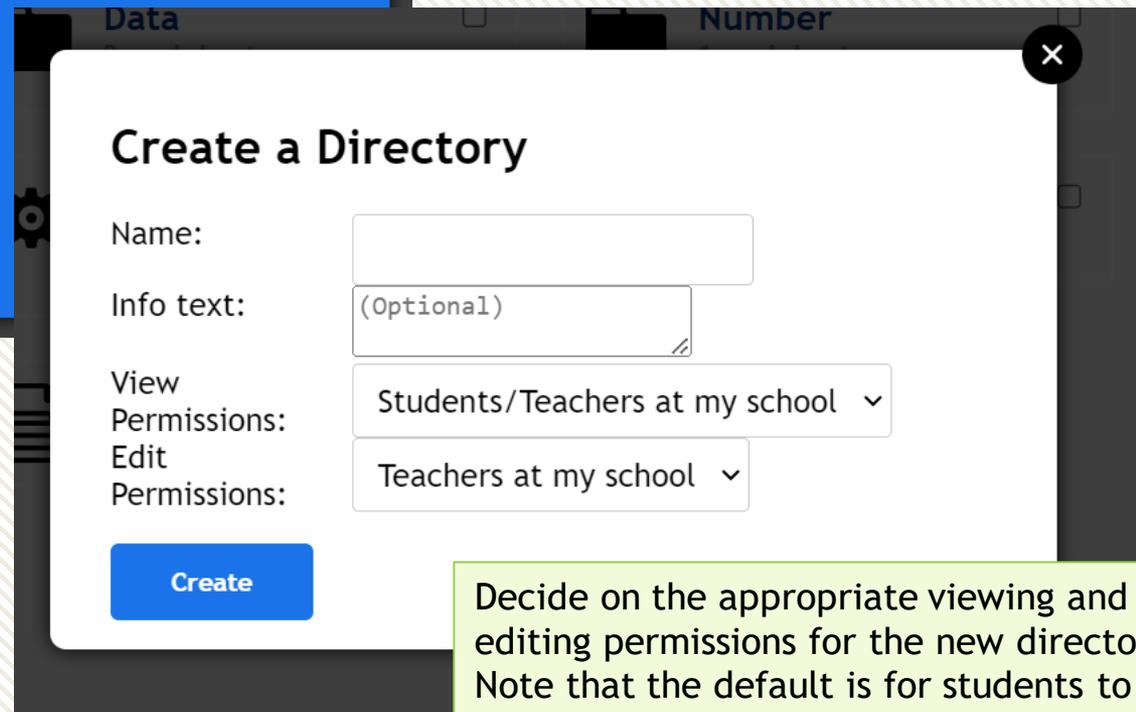
A worksheet is a collection of questions that can be set to students as an online task, or exported to Word.

+ Template

A template is a specification of how to generate a random worksheet, based on the skills you want.

+ Directory

Add a new directory within the current one.



Create a Directory

Name:

Info text:

View Permissions:

Edit Permissions:

Create

Decide on the appropriate viewing and editing permissions for the new directory. Note that the default is for students to be able to view teacher worksheets.

Organising the worksheet directory

Menu M McDonagh

+ New My Home Folder Delete Move

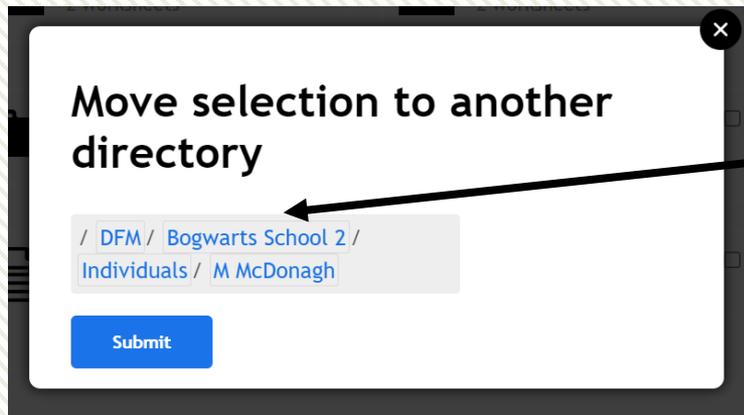
← M McDonagh Sort: Last Updated

core maths 0 worksheets	Year 12 1 worksheet	algebra 1 worksheet	A Level 2 worksheets	Number 3 worksheets
Shape 7 worksheets	surds retrieval 10 questions	Retrieval practice Algebra 8 questions	Algebra skills 20 questions	Functional graphs 10 questions
Algebra review 20 questions	Quadratic retrieval 16 questions	Surds retrieval Y11 12 questions	expand and simplify 10 questions <input checked="" type="checkbox"/>	pythagoras Y8 11 questions
inequality hwk 14 questions	logs 16 questions	expanding brackets 22 questions	perimeter 13 questions	changing the subject 11 questions
live game 6 questions	negative indices 20 questions	significant figures 11 questions	changing the subject 10 questions	changing the subject 14 questions

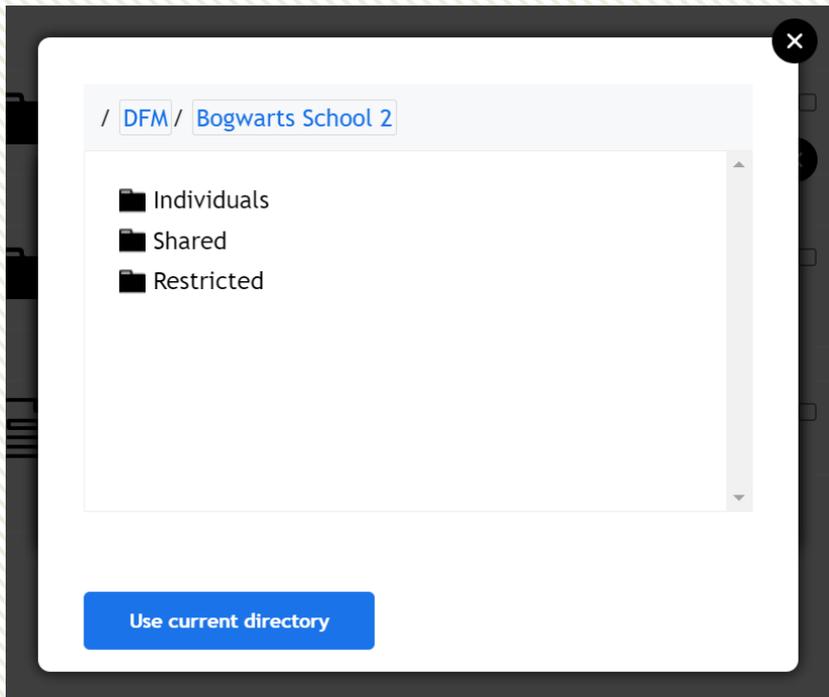
By selecting one or more worksheet, the option to move or delete the worksheet will appear. You can move a worksheet into another directory within your individual directory, or into the school shared/restricted directory.

The school shared directory is visible to students at your school, the restricted directory is not visible, so the latter is useful for saving assessment materials.

Organising the worksheet directory



To move the worksheet, click 'Move' and then select the desired parent folder.



Select the directory you wish to move the worksheet(s) to and select 'Use current directory'.

How do I...

Make my own questions?

There is no direct link within the site, but you can access here:

www.drfrostmaths.com/add-question.php

You could then use your questions within a worksheet.

These questions will be available to you when building a worksheet, but won't be publicly available.

Change a student's class?

Type the student into the search bar on the top menu. Click the student and select 'Move Class'.

Deal with students who have left the school?

Menu → Classes & Settings. Select the 'CLASSLESS STUDENTS' class from the dropdown. Select all the relevant accounts and choose 'Archive' from 'Apply Action'. This leaves the account open but will no longer appear when you search for students.

If you do a full school import, any students not in your import will be archived automatically.

Make an intervention group without the students leaving their normal class?

From Menu → Classes & Settings, use the + New Class button and click +Students. They will be added to the new class without being removed from their old class.

Change the order of learning in a course?

Go to your course and click the 'View' toggle to change to Edit. On this page only, you will be able to drag the modules to reorder them, you can also drag the units between within modules.

See a complete list of subskills/Exam Skills?

Menu → Question Explorer → Complete Skill List (link at bottom of page)

Quickly see all a student's question answering activity?

Menu → Progress Data → Student Progress → Activity

Change my school's name/logo?

On the top menu, Classes & Settings → School Settings → Logo.

See summative statistics about my school's usage?

Menu → Progress Data → School Stats.

This will show you volume of usage by year group and volume of recent activity by teacher.