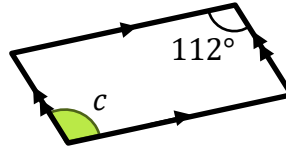
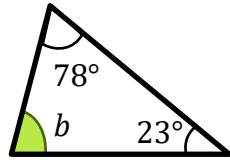
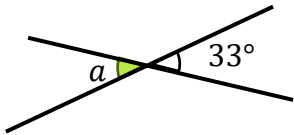


Building Blocks - Angle Rules



Block 1

Find the missing angles and give the reasoning

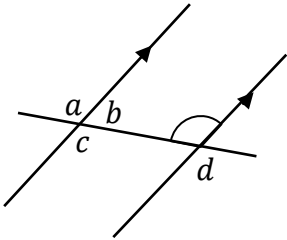


Fill in the gaps

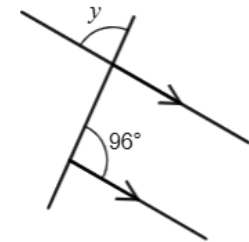
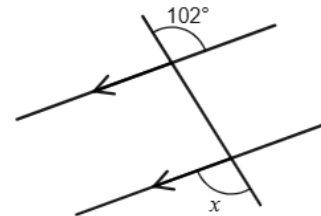
- Base angles in an _____ triangle are _____.
- Angles at a point sum to _____.
- Co-interior angles sum to _____.

Block 2

With respect to the given angle state the rule to find:

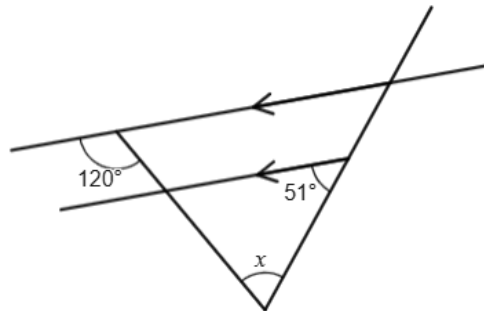
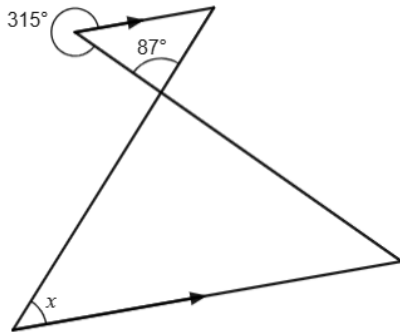


Find the missing angles, give reasons for your answers.

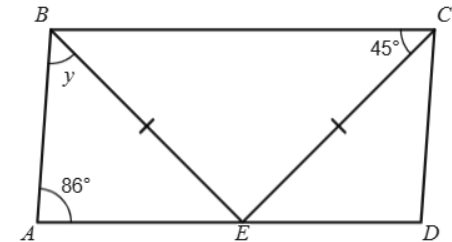


Block 3

Find the missing angles, give reasons for your answers.



The diagram shows parallelogram $ABCD$ and isosceles triangle BCE . Find angle y .

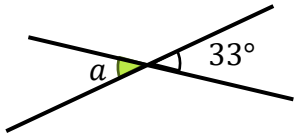


Building Blocks - Angle Rules

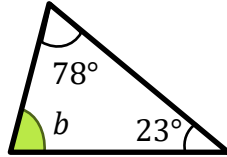


Block 1

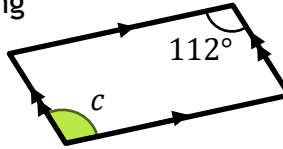
Find the missing angles and give the reasoning



$a = 33^\circ$ vertically opposite angles are equal.



$b = 79^\circ$ angles in a triangle sum to 180°



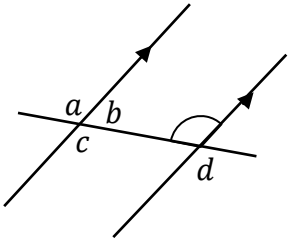
$c = 112^\circ$ opposite angles in a parallelogram are equal.

Fill in the gaps

- Base angles in an isosceles triangle are equal.
- Angles at a point sum to 360° .
- Co-interior angles sum to 180° .

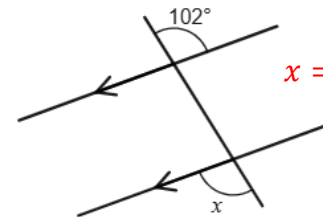
Block 2

With respect to the given angle state the rule to find:

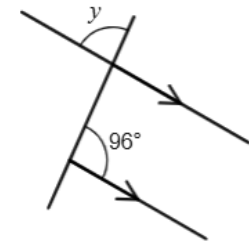


$a \rightarrow$ corresponding
 $b \rightarrow$ co-interior
 $c \rightarrow$ alternate
 $d \rightarrow$ vertically opposite

Find the missing angles, give reasons for your answers.



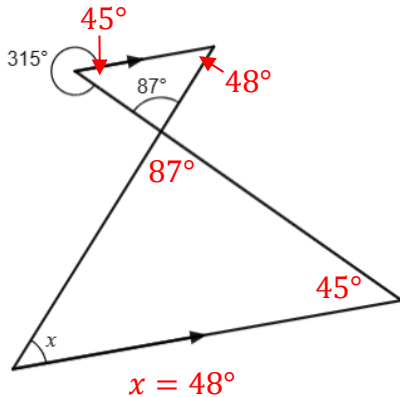
$x = 102^\circ$



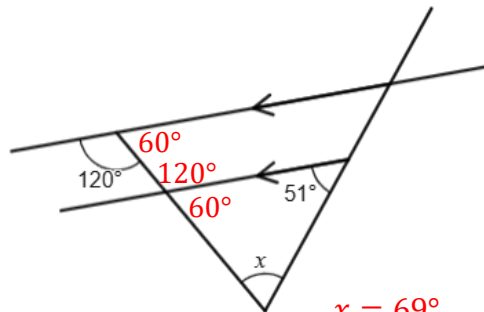
$y = 84^\circ$

Block 3

Find the missing angles, give reasons for your answers.

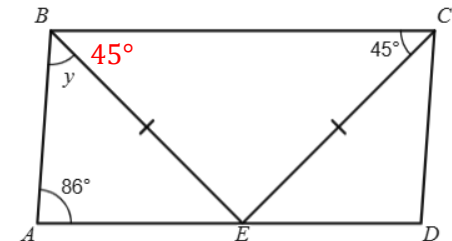


$x = 48^\circ$



$x = 69^\circ$

The diagram shows parallelogram $ABCD$ and isosceles triangle BCE . Find angle y .



$y = 180 - 86 - 45$
 $y = 49^\circ$