Building Blocks - Reverse Percentages

	Give the decimal multiplier required for:		Complete the following:		
Block 1	a) Increasing by 30% c) Increasing by 42.5%		a) $30\% = 27$ b) $175\% = 42$ c) $45\% = 270$ 10% = 25% = 5% =		c) $45\% = 270$ 5% =
	b) Decreasing by 20% d) Decreasing by 76%		100% =	100% = 100% = 100% =	
Block 2	Find: a) 240 increased by 35% b) 220 decreased by 15%	Jim buys a new phone with 52% more data available than his old phone. On his old phone he had 12Gb. Work out the amount of data Jim has on his new phone.		450 000 tickets were sold for a tennis tournament last year. This represents 90% of all the available tickets. Calculate the total number of tickets that were available for this tournament.	
	d) 60 increased by 17.8%				
Block 3	In a sale, normal prices are reduced by 30% A bag costs 280 dirhams in the sale. Work out the normal price of the bag.		At the end of each year, a driver records how many miles they have driven. In 2024, they drove 46% more miles than in 2023. In 2025, they drove 25% more miles than in 2023. In 2025, they drove 6700 miles. Calculate the number of miles driven in 2024.		
	The number of customer complaints received by an airline during a year was 1904 This was up by 12% from the previous year. How many customer complaints did the airline receive during the previous year?				

Building Blocks - Reverse Percentages

Block 1	Give the decimal multiplier required for:		Complete the following:		
	a) Increasing by 30% 1.3 c) Increasing by 42.5% 1.425		a) $30\% = 27$ 10% = 9 b) $175\% = 42$ 25% = 6 c) $45\% = 270$ 5% = 30		
	b) Decreasing by 20% 0.8 d) Decreasing by 76% 0.24		100% = 90 $100% = 24$ $100% = 600$		
Block 2	Find:	Jim buys a new phone with 52% more data available than his old phone. On his old phone he had 12Gb. Work out the amount of data Jim has on his new phone. 18.24 Gb		450 000 tickets were sold for a tennis tournament last year. This represents 90% of all the available tickets. Calculate the total number of tickets that	
	a) 240 increased by 35% 324				
	b) 220 decreased by 15% 187				
	c) 130 decreased by 27% 94.9			ere available for this tournament. $500\ 000$	
	d) 60 increased by 17.8% 70.68				
Block 3	In a sale, normal prices are reduced by 30%		t the end of each year, a driver records how many miles		
	A bag costs 280 dirhams in the sale.		they have driven.		
	Work out the normal price of the bag. 400 dihrams		In 2024, they drove 46% more miles than in 2023 .		
			In 2025, they drove 25% more miles than in 2023. In 2025, they drove 6700 miles. Calculate the number of miles driven in 2024 . 7825.6 miles		
	The number of customer complaints received by an Ca				
	airline during a year was 1904				
	This was up by 12% from the previous year.				
	receive during the previous year? 1700				
				Dr Frost LEARNING	