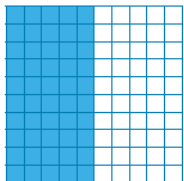
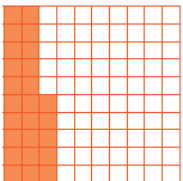
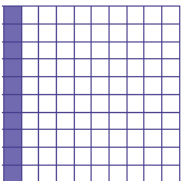
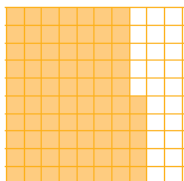
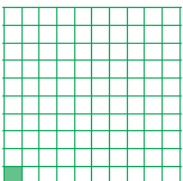
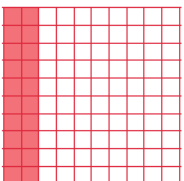
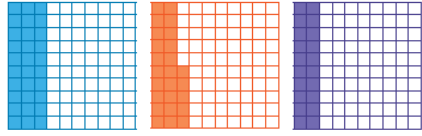
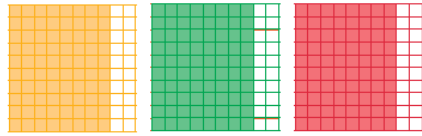
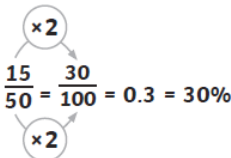
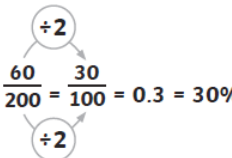
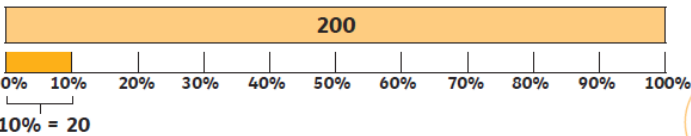
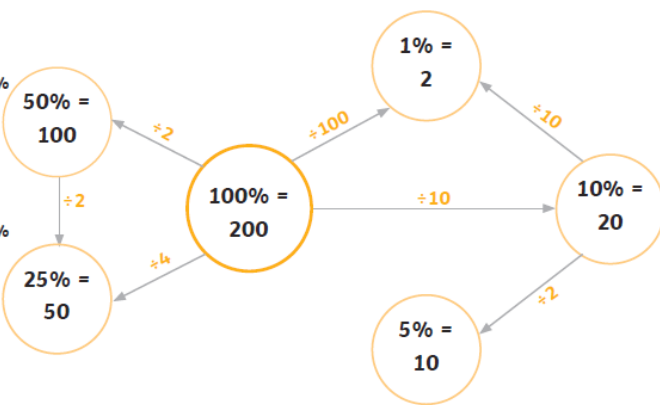
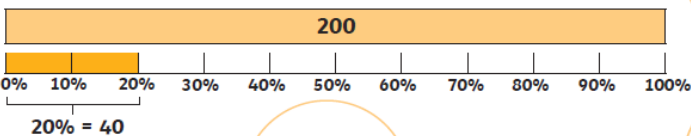
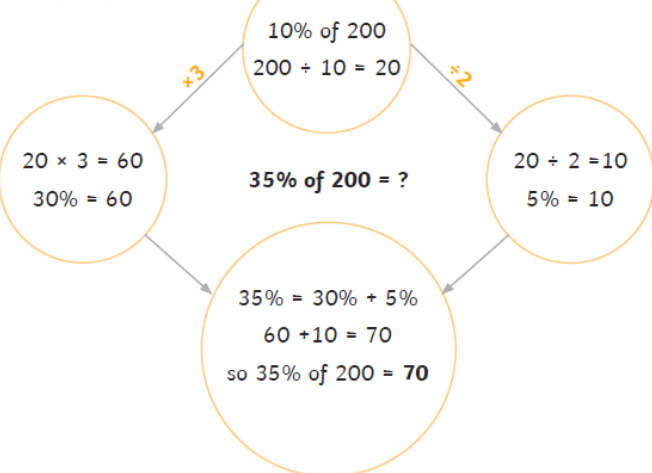
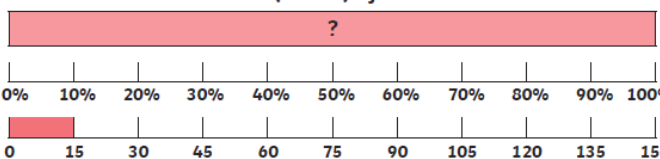


# In maths we are learning about...

Percentages		Knowledge Organiser	
Key Vocabulary	Equivalent Fractions, Decimals and Percentages	Order Fractions, Decimals and Percentages	
per cent (%) = 'out of 100'			
percentage	$\frac{50}{100} = \frac{1}{2} = 0.5 = 50\%$	$\frac{25}{100} = \frac{1}{4} = 0.25 = 25\%$	$\frac{10}{100} = \frac{1}{10} = 0.1 = 10\%$
discount			
equivalent fraction	$\frac{75}{100} = \frac{3}{4} = 0.75 = 75\%$	$\frac{1}{100} = 0.01 = 1\%$	$\frac{20}{100} = \frac{2}{10} = 0.2 = 20\%$
equivalent decimal	$\frac{3}{10} > 25\% > 0.2$ 		
convert	$80\% = 0.8 = \frac{4}{5}$ 		
compare	$\frac{80}{100} = 80\%$ $\frac{80}{100} = 80\%$ $\frac{80}{100} = 80\%$		
order	<b>Fractions to Percentages</b>  		
the whole			

Percentages		Knowledge Organiser	
Finding a Percentage of an Amount			
$50\% = \frac{1}{2}$ so we can divide by 2	$10\% = \frac{1}{10}$ so we can divide by 10	$25\% = \frac{1}{4}$ so we can divide by 4	$1\% = \frac{1}{100}$ so we can divide by 100
 <p>10% = 20</p>			
 <p>20% = 40</p>			
<b>Percentages – Missing Values</b>			
<b>Whole value (100%) of bar model = ?</b>			
			
$0\% \quad 10\% \quad 20\% \quad 30\% \quad 40\% \quad 50\% \quad 60\% \quad 70\% \quad 80\% \quad 90\% \quad 100\%$ $0 \quad 15 \quad 30 \quad 45 \quad 60 \quad 75 \quad 90 \quad 105 \quad 120 \quad 135 \quad 150$ 10% = 15			
We know 10% = 15 $10\% \times 10 = 100\%$ (the whole)    so $15 \times 10 = 150$			