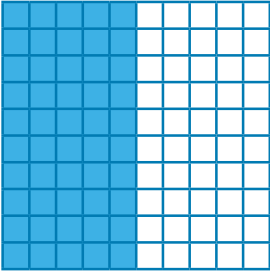
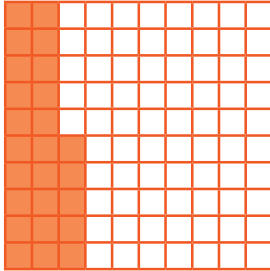
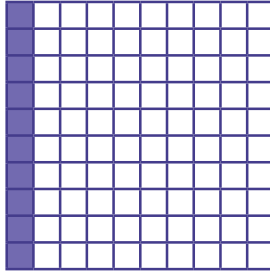
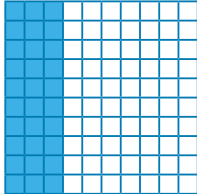
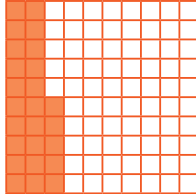
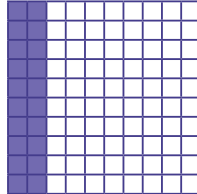
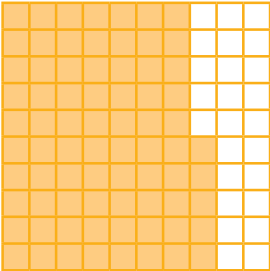
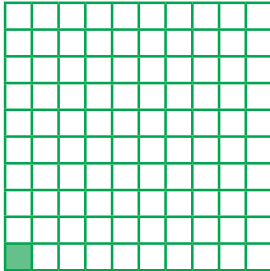
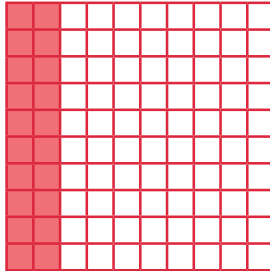
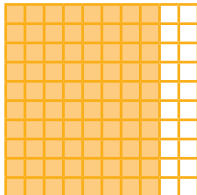
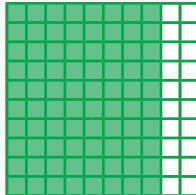
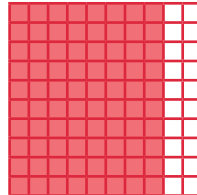


Percentages		Knowledge Organiser		
Key Vocabulary	Equivalent Fractions, Decimals and Percentages		Order Fractions, Decimals and Percentages	
per cent (%) = 'out of 100'	  		<div> <div>$\frac{3}{10}$</div> <div>></div> <div>25%</div> <div>></div> <div>0.2</div> </div>	
percentage			  	
discount	<div>$\frac{50}{100} = \frac{1}{2} = 0.5 = 50\%$</div> <div>$\frac{25}{100} = \frac{1}{4} = 0.25 = 25\%$</div> <div>$\frac{10}{100} = \frac{1}{10} = 0.1 = 10\%$</div>		<div>$\frac{30}{100} = 30\%$</div> <div>$\frac{25}{100} = 25\%$</div> <div>$\frac{20}{100} = 20\%$</div>	
equivalent fraction	  		<div>80% = 0.8 = $\frac{4}{5}$</div>	
equivalent decimal			  	
convert	<div>$\frac{75}{100} = \frac{3}{4} = 0.75 = 75\%$</div> <div>$\frac{1}{100} = 0.01 = 1\%$</div> <div>$\frac{20}{100} = \frac{2}{10} = 0.2 = 20\%$</div>		<div>$\frac{80}{100} = 80\%$</div> <div>$\frac{80}{100} = 80\%$</div> <div>$\frac{80}{100} = 80\%$</div>	
compare				
order	Fractions to Percentages <div> <div> <div>×2</div> <div>$\frac{15}{50} = \frac{30}{100} = 0.3 = 30\%$</div> <div>×2</div> </div> <div> <div>÷2</div> <div>$\frac{60}{200} = \frac{30}{100} = 0.3 = 30\%$</div> <div>÷2</div> </div> </div>			
the whole				

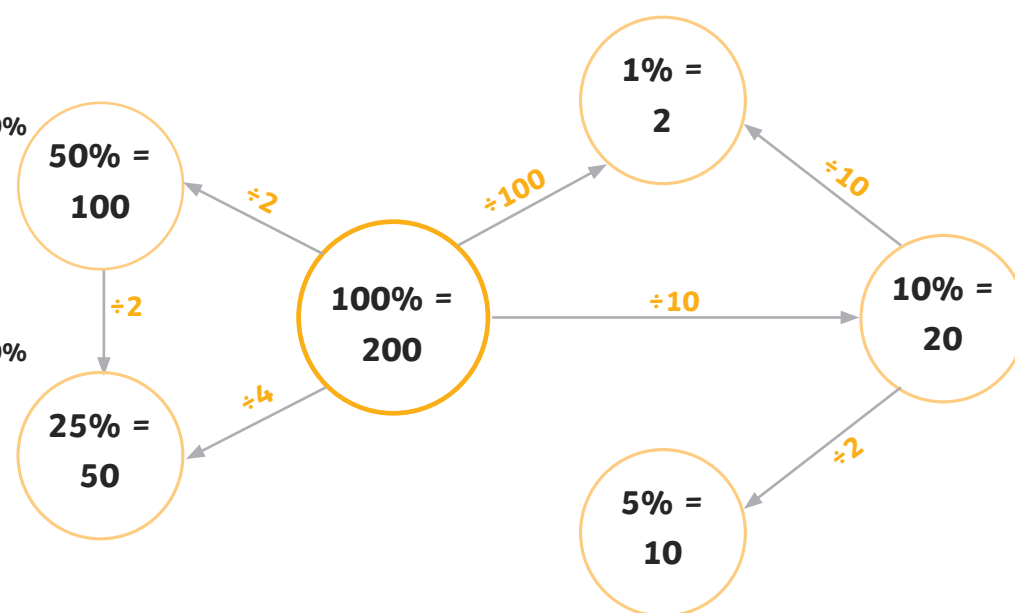
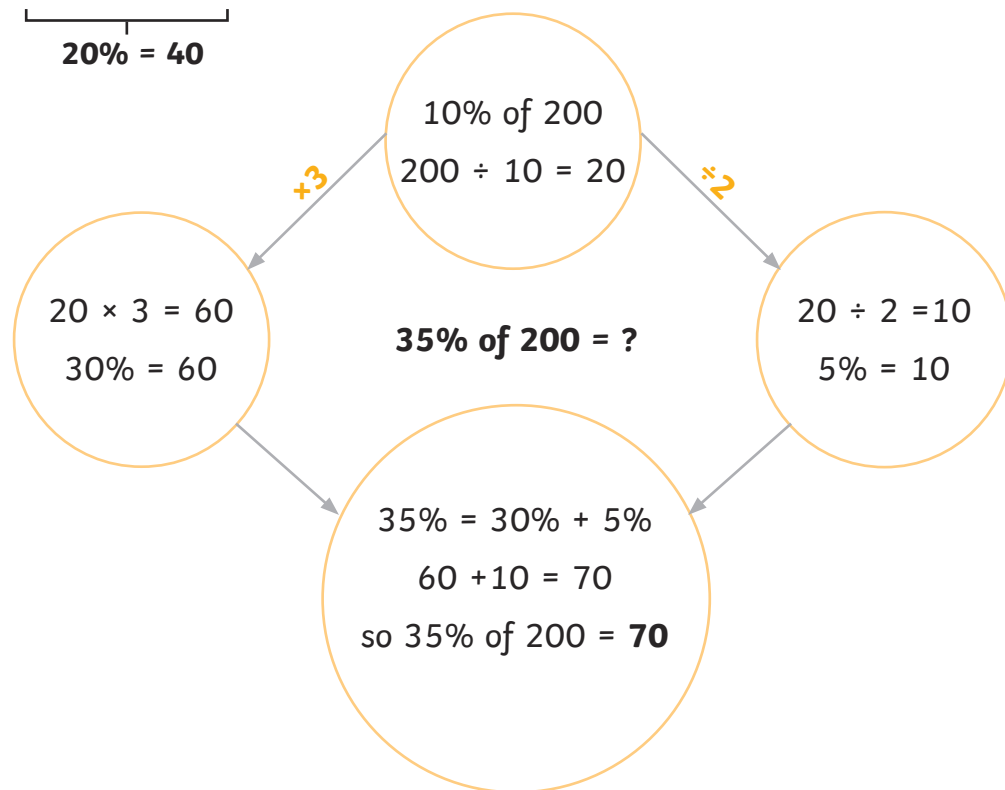
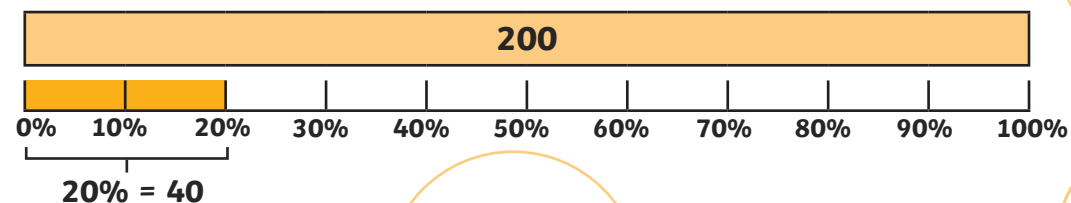
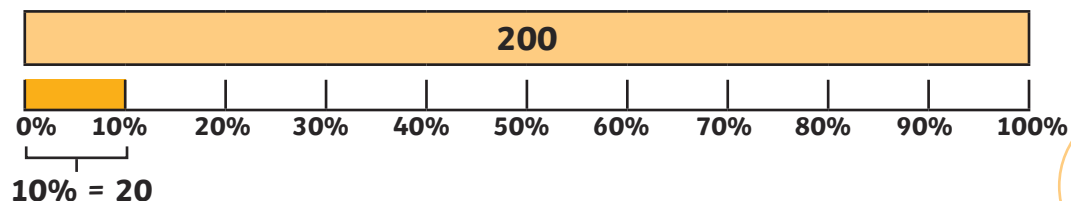
Finding a Percentage of an Amount

$$50\% = \frac{1}{2} \text{ so we can divide by 2}$$

$$10\% = \frac{1}{10} \text{ so we can divide by 10}$$

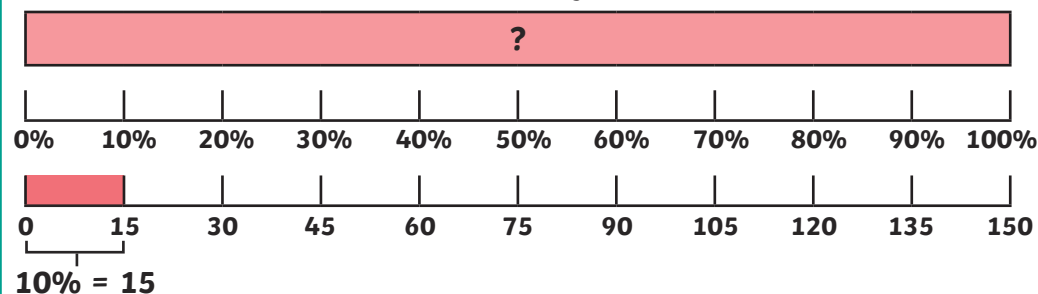
$$25\% = \frac{1}{4} \text{ so we can divide by 4}$$

$$1\% = \frac{1}{100} \text{ so we can divide by 100}$$



Percentages – Missing Values

Whole value (100%) of bar model = ?



We know $10\% = 15$ $10\% \times 10 = 100\%$ (the whole) so $15 \times 10 = 150$