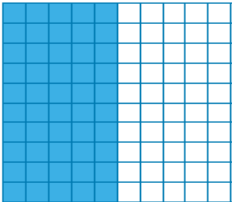
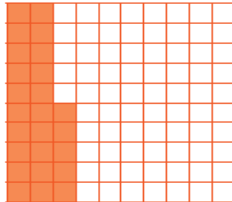
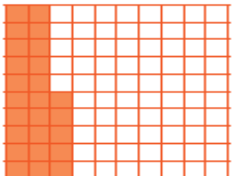
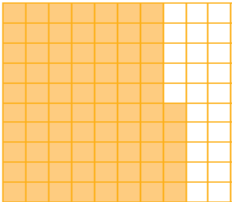
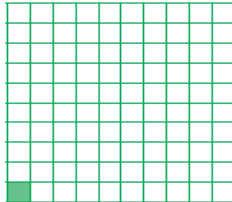




Year:	6	Unit:	Percentages
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What will I learn this year?

Key Vocabulary	Equivalent Fractions, Decimals and Percentages	Order Fractions, Decimals and Percentages
per cent (%) = 'out of 100'		$\frac{3}{10} > 25\% > 0.2$
percentage		
discount	$\frac{50}{100} = \frac{1}{2} = 0.5 = 50\%$	$\frac{10}{100} = \frac{1}{10} = 0.1 = 10\%$
equivalent fraction		$\frac{30}{100} = 30\%$
equivalent decimal		$\frac{25}{100} = 25\%$
convert	$\frac{75}{100} = \frac{3}{4} = 0.75 = 75\%$	$\frac{20}{100} = \frac{2}{10} = 0.2 = 20\%$
compare	$\frac{1}{100} = 0.01 = 1\%$	$\frac{80}{100} = 80\%$
order	$\frac{20}{100} = \frac{2}{10} = 0.2 = 20\%$	$\frac{80}{100} = 80\%$
the whole	Fractions to Percentages $\begin{matrix} \times 2 \\ \uparrow \\ \frac{15}{50} = \frac{30}{100} = 0.3 = 30\% \\ \downarrow \\ \times 2 \end{matrix}$ $\begin{matrix} \div 2 \\ \uparrow \\ \frac{60}{200} = \frac{30}{100} = 0.3 = 30\% \\ \downarrow \\ \div 2 \end{matrix}$	$\frac{80}{100} = 80\%$

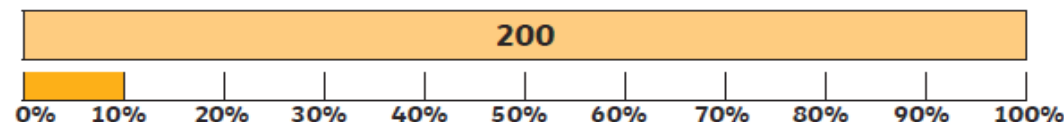
Finding a Percentage of an Amount

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

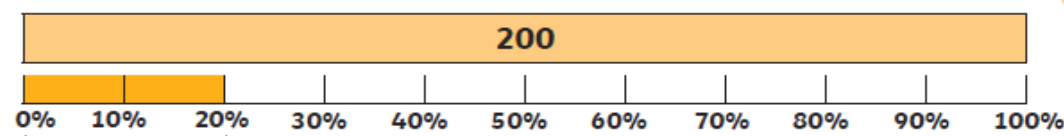
$$10\% = \frac{1}{10} \text{ so we can divide by 10}$$

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

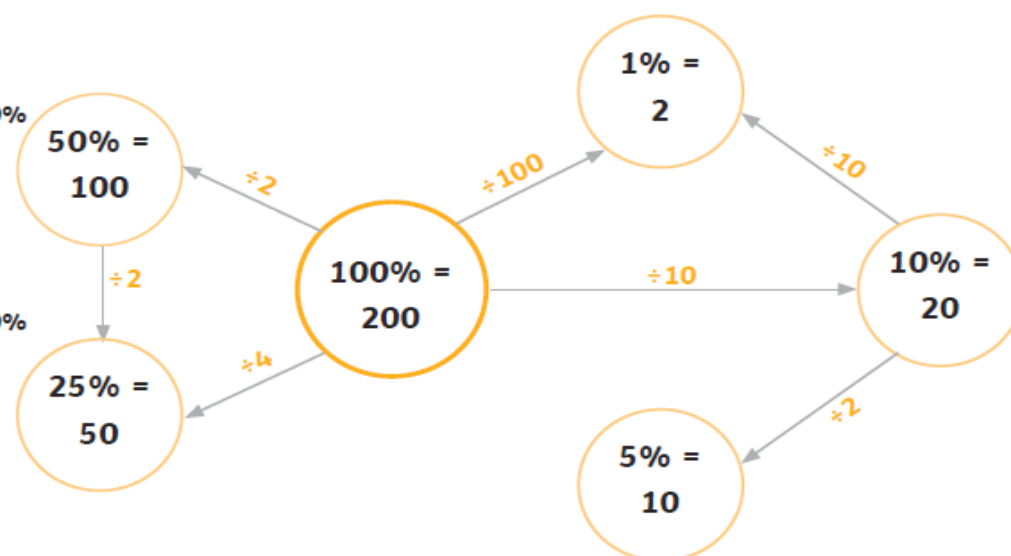
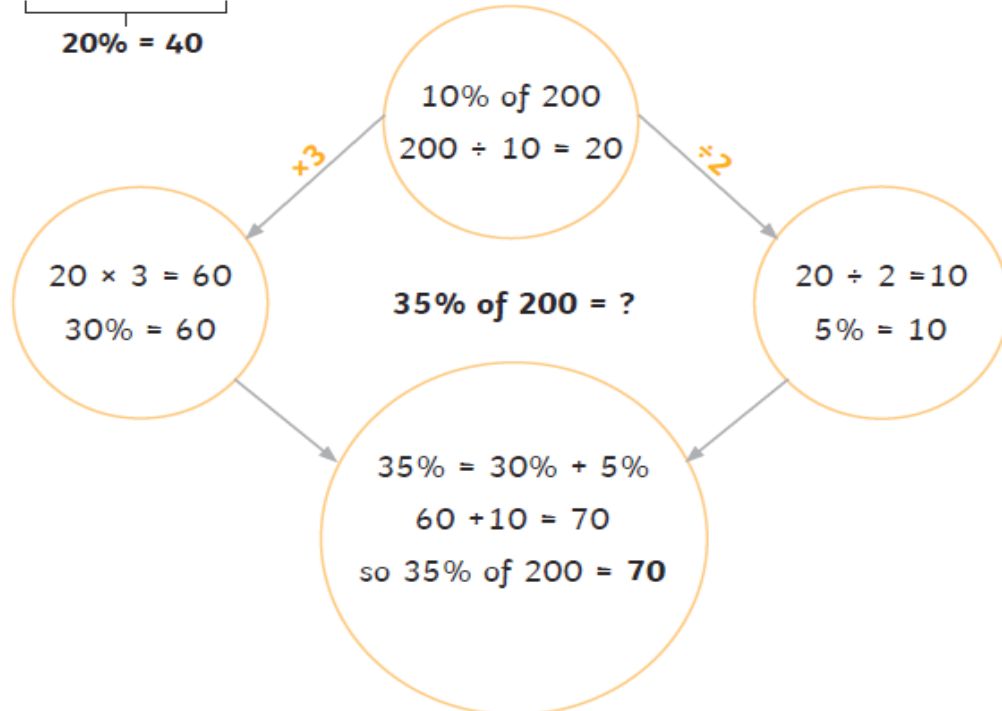
$$1\% = \frac{1}{100} \text{ so we can divide by 100}$$



$$10\% = 20$$

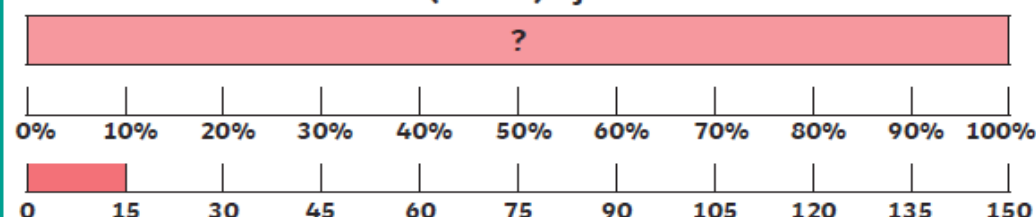


$$20\% = 40$$



Percentages – Missing Values

Whole value (100%) of bar model = ?



$$10\% = 15$$

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