

Percentages

MNU 3-07a I can solve problems by carrying out calculations with a wide range of fractions, decimals fractions and percentages, using my answers to make comparisons and informed choices for real life situations.

Percent means "out of one hundred"

To calculate simple percentages pupils need to convert percentages into fractions.

10%	20%	$33\frac{1}{3}\%$	50%	$66\frac{2}{3}\%$	75%
$\frac{1}{10}$	$\frac{1}{5}$	$\frac{1}{3}$	$\frac{1}{2}$	$\frac{2}{3}$	$\frac{3}{4}$

Find $33\frac{1}{3}\%$ of 1500

$33\frac{1}{3}\%$ of 1500

$\frac{1}{3}$ of 1500

= 500

Harder Percentages

<p>Non Calculator Method</p> <p>Find some combination of simple percentages to make up the complex percentage.</p> <p>For example $5\% = 10\% \div 2$ $35\% = 3 \times 10\% + 5\%$ $19\% = 20\% - 1\%$</p> <p>Find 17.5% of £300</p> <p>$10\% = 300 \div 10 = \text{£}30$ $5\% = 10\% \div 2 = 30 \div 2 = \text{£}15$ $2.5\% = 5\% \div 2 = 15 \div 2 = \text{£}7.50$</p> <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> <p style="text-align: right;">$17.5\% = \text{£}52.50$</p>	<p>Calculator Method</p> <p>Type into the calculator</p> <p style="text-align: center;">Percentages = $\% \div 100 \times \text{amount}$</p> <p>Find 17% of £30</p> <p style="text-align: center;">$17 \div 100 \times 30 = \text{£}5.10$</p>
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