

Class 7 (Y6) Percentages, Decimals & Fractions

Aspect	Key Concepts	Key Vocabulary	Skills	Practical Resources for Class Area	Practical Resources centrally stored
<i>Decimals</i>	Identify the value of each digit to 3 decimal places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to 3 decimal places	decimal places tenths hundredths thousandths			
<i>Multiplying & dividing</i>	Multiply one-digit numbers with up to 2 decimal places by whole numbers Use written division methods where the answer has up to 2 decimal places	inverse	Be introduced to the division of decimal numbers by one-digit whole numbers – and in practical contexts involving measures and money		
<i>Percentages</i>	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts	per cent percentage decimal fraction	Understand that calculating a % of a quantity is the same as calculating a fraction of a quantity		

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<i>Problems</i>	<p>Solve problems which require answers to be rounded to specified degrees of accuracy</p> <p>Solve problems involving the calculation of percentages of whole numbers or measures such as 15% of 360 and the use of percentage comparison.</p>	<p>rounding</p> <p>estimating</p> <p>reduce reduction increase</p>	<p>Rounding</p> <p>Estimating</p> <p>Be confident in checking the reasonableness of their answers to problems</p> <p>Reduction & increase of % amount, e.g. 20% sale</p>		