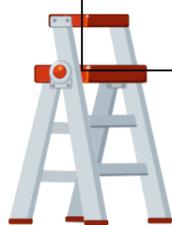
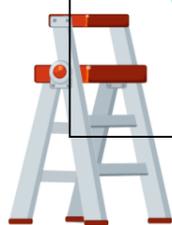


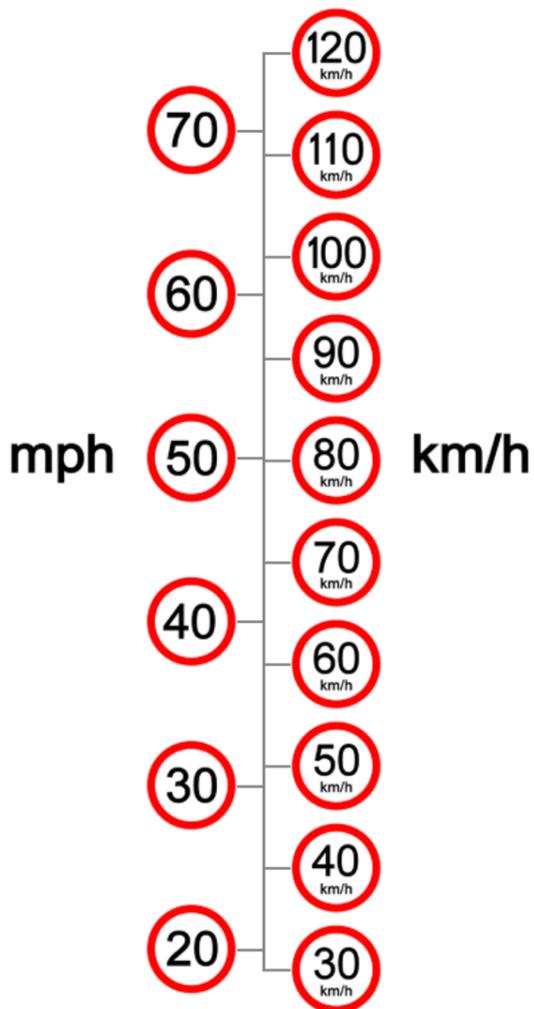
Percentage	I can ...	Prove it!
	<ul style="list-style-type: none"> I can calculate depreciation. 	Mr Holmes bought an Audi TT for £86,000 in 2012. He now wants to sell his car however it has depreciated in value by 5% each year. What is the value of the car now?
	<ul style="list-style-type: none"> I can calculate compound interest. 	Natwest offers a student's account with 4.5% compound interest per annum. Bilal puts £250 in his account each year for 3 years. How much money does he have at the end of year 3?
	<p>10.8 I can solve problems with reverse percentage</p>	<p>1) Jacob answered 80% of the questions in a test correctly. He answered 32 of the questions correctly. Work out the total number of questions in the test.</p> <p>2) In a terrible storm 45% of the trees in a forest are felled. If the forest originally had 9 200 trees, how many are left standing? Is this percentage either: Forward <input type="checkbox"/> or Reverse <input type="checkbox"/></p>
	<p>11.6 I can apply ratio to distance, speed, and time problems.</p> <p>10.7 I can calculate reverse percentage.</p>	<p>1) Mr Gray travels at an average speed of 20mph. He must travel 15 miles to school. How long does it take him?</p> <p>2) Miss Cairns buys a dress in the sale for £48. It has had a 20% reduction. How much was the original price of the dress?</p>
	<p>11.5 I can use the formula for distance, speed, time.</p>	<p>1) Miss Sale travels to school in 30 minutes and covers a distance of 8 miles. What is her speed in mph?</p> <p>2) A shark travels a distance of 504km in 1 day without stopping. What is the shark's speed in km/hr?</p>
	<p>10.5 I can calculate percentage increase.</p> <p>10.6 I can calculate percentage decrease.</p>	<p><u>Increase</u> each of the numbers by the following amounts:</p> <p>a) 70 by 20% b) 135 by 15% c) 28 by 10.5% d) 45 by 100%</p> <p><u>Decrease</u> each of these numbers by the following amounts:</p> <p>a) 150 by 50% b) 96 by 82% c) 29 by 1%</p>



Percentage	I can ...	Prove it!																		
	<p>10.3 I can find % of an amount. 10.4 I can express a fraction as a quantity of another.</p>	<p>1) VAT is 17.5% of any purchase in Bill's Hardware store. Find the VAT on each of the following purchases:</p> <ul style="list-style-type: none"> a) A hammer at £15.00 b) Six packets of nails at £3.40 each c) An apron at £14.00 <p>2) 45 marks out of 50 on a test will get Tommy an A grade. What fraction of questions can Tommy get incorrect and still get an A grade?</p>																		
	<p>10.2 I can order and compare fractions, decimals and percentages</p>	<p>Use inequality symbols to compare each of the values below:</p> <p>30% _____ 0.33</p> <p>$\frac{1}{4}$ _____ $\frac{1}{3}$</p> <p>0.7 _____ $\frac{3}{4}$</p> <p>$\frac{3}{8}$ _____ 40%</p> <p>Now, put all of the values above in ascending order.</p>																		
	<p>10.1 I can find equivalent fractions, decimal, percentages.</p>	<p>Fill in the table below using the equivalent fraction, decimal of percentage:</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Fraction</th> <th>Decimal</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>20%</td> </tr> <tr> <td></td> <td>0.5</td> <td></td> </tr> <tr> <td>$\frac{1}{8}$</td> <td></td> <td></td> </tr> <tr> <td></td> <td>0.12</td> <td></td> </tr> <tr> <td></td> <td></td> <td>100%</td> </tr> </tbody> </table>	Fraction	Decimal	Percentage			20%		0.5		$\frac{1}{8}$				0.12				100%
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	<p>11.4 I can solve problems with ratio.</p>	<p>1) The ratio of merits received by girls and boys in Inclusion is 2:1. If the girls have 48 merits how many do the boys have?</p> <p>2) To make lemonade cooler, you mix orange, pineapple juice and lemonade in the ratio 1:3:4. If I have 600ml of lemonade. How much pineapple and orange juice do I need?</p>																		
	<p>11.3 I can divide into a ratio.</p>	<p>1) Miss Martin and Miss McCormick share 800g of popcorn in the ratio 3:5. How much popcorn do each of them get?</p> <p>2) Miss Boothman, Miss Cairns and Mr Holmes share out 56 calculators in the ratio 2:3:2. How many calculators does Miss Cairns get?</p>																		
	<p>11.2 I can relate ratios to fractions</p>	<p>a) What fraction of counters are white? b) What fraction of counters are black?</p>																		



Percentage	I can ...	Prove it!
	11.1 I can write and simplify ratios	Simplify the ratios below: a) 3:9 b) 4:44 c) 7:49 d) 30:130 e) 16:64:96
	11.1 I can write and simplify ratios	State the ratio of black to white counters below: a) b)



Key Words:

- Speed
- Distance
- Time
- Ratio
- Share
- Percentage
- Reverse
- Increase
- Decrease
- Simplify
- Fraction
- Divide

