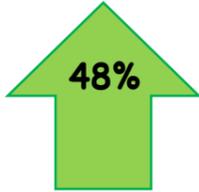


Percentage	I can ...	Prove it!
 <p>84%</p>	<p>Solve difficult worded problems by estimating values.</p>	<p>Could you fit the world population onto the Isle of Wight?</p> <p>Hints:</p> <ol style="list-style-type: none"> 1) There are approximately 7 billion people in the world. 2) The Isle of Wight has an area of 381km².
 <p>80%</p>	<p>Divide whole numbers by decimals.</p> <p>Divide decimals by decimals.</p> <p>Solve worded problems by dividing decimals.</p>	<ol style="list-style-type: none"> 1) A box of Haribo weighs 0.25kg, a trailer can carry a maximum weight of 12kg. How many boxes of Haribo can the trailer carry? 2) Without using a calculator work out <ol style="list-style-type: none"> a) $7.4 \div 0.2$ b) $7.75 \div 1.25$
 <p>76%</p>	<p>Reason with decimals</p>	<ol style="list-style-type: none"> 1) Estimate the value of the calculation below: $\begin{array}{r} 7.8 \times 5.3 \\ \hline 10.3 \end{array}$
 <p>72%</p>	<p>Round whole numbers to one significant figure.</p> <p>Round decimal number to one significant figure.</p>	<p>There are approximately 8,308,100 people living in London, what is this number to one significant figure?</p> <p>The average ant weighs 0.00034 grams. What is this weight to one significant figure?</p>
 <p>68%</p>	<p>Round decimals to two decimal places.</p>	<p>Round each number below to 2 decimal places.</p> <ol style="list-style-type: none"> a) 1.246 b) 12.876 c) 4.985 d) 8.8567 e) 2.999
 <p>64%</p>	<p>4.7 I can solve perimeter problems (decimals)</p> <p>4.8 I can solve worded problems (decimals)</p>	<ol style="list-style-type: none"> 1) I buy some jeans that cost £34.60 and a jacket that costs £21.44. I pay with 3 £20 notes. How much change do I get?



Percentage	I can ...	Prove it!
	<p>4.4 I can multiply and divide decimals by 10, 100 and 1000</p> <p>4.3 I can round decimals to the nearest integer</p> <p>4.5 I can add decimals</p> <p>4.6 I can subtract decimals</p>	<p>1) 1.3×10</p> <p>2) $0.88 \div 100$</p> <p>3) Round 1.34 to the nearest whole</p> <p>4) Round 12.6 to the nearest integer</p> <p>5) Find the sum of 1.57 and 0.8</p> <p>6) $12.999 - 3.41$</p>
	<p>4.2 I can order decimals</p> <p>4.1 I can identify the value of digits in decimals</p>	<p>1) Put these decimals in ascending order: 0.08, 0.8, 0.18, 0.82, 0.81</p> <p>2) What is the place value of the digit 7 in the number 0.97?</p>
	<p>2.4 I can solve perimeter problems (addition)</p> <p>3.4 I can solve worded problems (subtraction)</p>	<p>1) Calculate the perimeter of the shape below:</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;">4cm</div>  </div> <p style="text-align: center; margin-left: 100px;">7cm</p> <p>2) The perimeter of a square is 16cm, what is the length of one of its sides?</p>
	<p>2.3 I can use bar models (addition)</p> <p>3.3 I can use bar models (subtraction)</p> <p>1.2 I can multiply and divide integers by 10, 100 and 1000</p>	<p>1) Miss Cairns has 234 sweets, she has 50 more sweets than Miss Boothman. How many sweets does Miss Boothman have?</p> <p>2) The distance from OASB to the Shard is 1.2km. How many kilometres would you walk if you wanted to make a return journey?</p> <p>3) Fill in the gaps: $345 \times \dots = 3450$ $450 \div \dots = 45$ $\dots \times 100 = 67800$</p>
	<p>2.2 I can add integers using the column method</p> <p>3.2 I can subtract integers using the column method</p>	<p>1) $\begin{array}{r} 345 \\ + 567 \\ \hline \end{array}$</p> <p>2) $\begin{array}{r} 645 \\ - 467 \\ \hline \end{array}$</p>

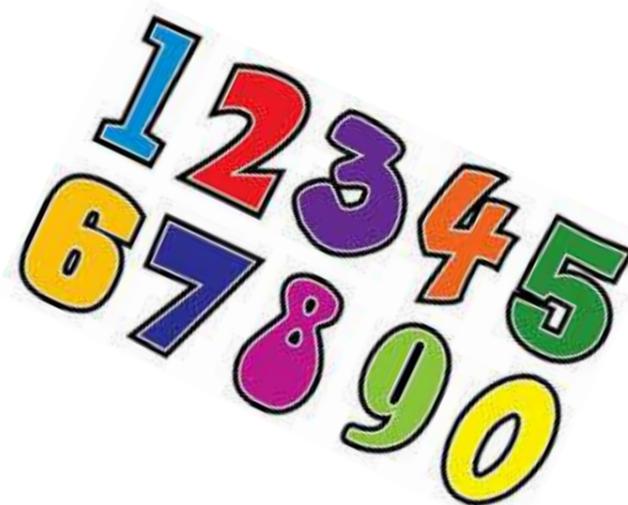




	<p>2.1 I can use number bonds (addition)</p> <p>3.1 I can use number bonds (subtraction)</p>	<p>1) $12 + 8$ 2) $27 - 6$</p> <p>Work out in your head: 3) $33 - 9$ 4) $41 - 7$</p>
Percentage	I can ...	Prove it!
	<p>1. 4 I can round numbers to the nearest 10, 100 and 1000</p>	<p>1) Round 254 to the nearest 10. 2) Round 3671 to the nearest 1000. 3) Round each number below to the nearest 100 and estimate the value of the sum: $654 + 328 =$</p>
	<p>1.3 I can order integers using inequality signs</p>	<p>1) Is this statement true or false? $234 < 135$ 2) Put these numbers in <u>ascending</u> order: $7654, 8675, 7542, 8769, 9876$</p>
	<p>1.1a I can write integers in figures and words</p> <p>1.1b I can identify the value of digits</p>	<p>1) Write the number 47, 876 in words. 2) Write two-thousand and thirty six in figures. 3) In the number 4532 what value does the 5 represent?</p>

Key Words:

- Ascending
- Descending
- Place value
- Hundreds
- Tens
- Ones
- Tenths
- Hundredths
- Perimeter
- Length
- Round
- Estimate



Maths

Autumn 1

Learning Ladder

Year 7

My Target: _____

