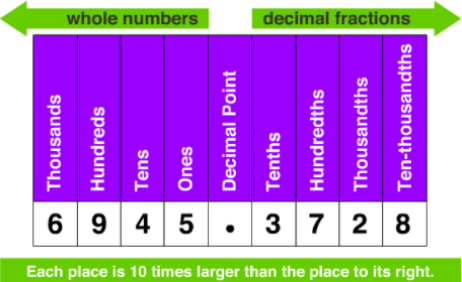
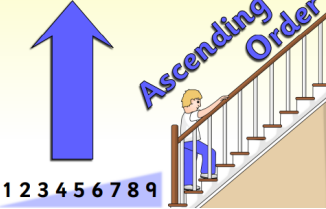
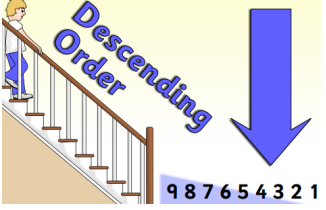
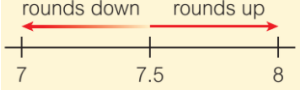
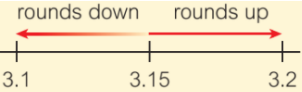
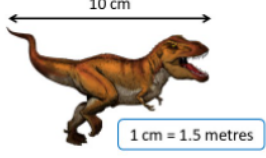
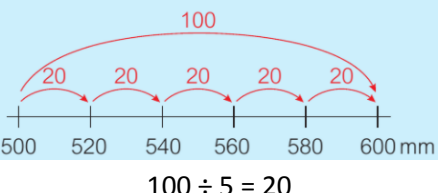
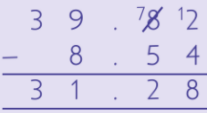
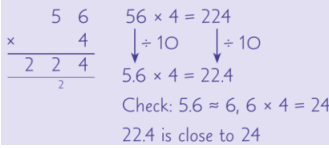
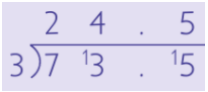
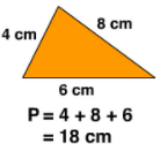
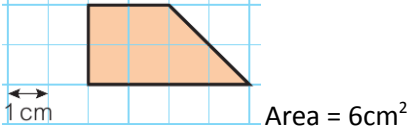
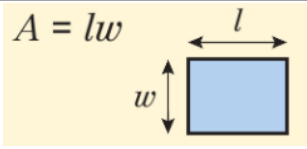


Core Knowledge		
1	Metric Conversions	<p><math>3.5\text{km} = 3.5 \times 1000 = 3500\text{m}</math>                      Multiply to go to a smaller unit of measure</p> <p><math>56\text{mm} = 56 \div 10 = 5.6\text{cm}</math>                      Divide to go to a bigger unit of measure</p>
		<p>Length: <math>1\text{km} = 1000\text{m}</math>  <math>1\text{m} = 1000\text{mm}</math>  <math>1\text{m} = 100\text{cm}</math>  <math>1\text{cm} = 10\text{mm}</math></p> <p>Mass: <math>1\text{ tonne (t)} = 1000\text{kg}</math>  <math>1\text{kg} = 1000\text{g}</math></p> <p>Capacity: <math>1\text{ litre} = 1000\text{ml}</math>  <math>1\text{ml} = 1\text{cm}^3</math></p>
2	Mass	Metric units of mass include the gram (g) and the kilogram (kg).
3	Capacity	Metric units of capacity include the millilitre (ml) and the litre (l).
4	Decimals	
5	Ascending	
6	Descending	
7	Rounding to whole numbers	
8	Rounding to 1 decimal place	
9	Estimate	
10	Scale drawing	
11	Reading scales	

12	Multiplying decimals mentally	$0.4 \times 0.7$ $= 4 \times 7 \div 10 \div 10$ $= 0.28$	Use place value to rewrite calculations as equivalent calculations that you know.
13	Partitioning	$22 \times 3.4 = 20 \times 3.4 + 2 \times 3.4$ $= 68 + 6.8 = 74.8$	You can do a calculation in parts and then add together.
14	Order of magnitude		The approximate size of something. You can check that the answer to a calculation is the same order of magnitude by estimating.
15	Related multiplications	<p>Given <math>32.5 \times 40.7 = 1322.75</math>  Then: <math>325 \times 40.7 = 13227.5</math>  and <math>325 \times 407 = 132275</math>  and <math>3.25 \times 40.7 = 132.275</math>  and <math>0.325 \times 40.7 = 13.2275</math> etc.</p>	You can use an answer to a decimal multiplication to work out the answers using place value to related multiplications.
16	Adding/subtracting decimals		Use written column methods to add and subtract decimals. Line up the decimal points.
17	Multiplying decimals by whole numbers		Use the column method without the decimal point, then use place value to get the final answer.
18	Dividing decimals by whole numbers		Use short division to divide a decimal by a whole number. Line up the decimal point.
19	Perimeter		The perimeter is the total distance around the edge of a shape. Add up the lengths of all the sides.
20	Area		The area is the total space covered by a shape. The units for area are square units e.g. $\text{cm}^2$ , $\text{m}^2$
21	Area of rectangles		To work out the area of a rectangle or a square, multiply the length by the width. The dimensions must be in the same units of measure.
22	Hectare		A hectare (ha) is mainly used as a measure of land area. $1 \text{ ha} = 100\text{m} \times 100\text{m} = 10000\text{m}^2$
23	Imperial units		$1 \text{ foot} \approx 30\text{cm}$ $1 \text{ mile} \approx 1.6\text{km}$
<b>Depth</b>			
24	Milligrams		$1\text{g} = 1000\text{mg}$
25	$\neq$		Not equal to