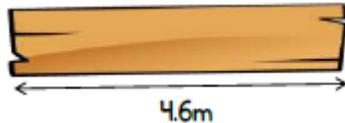
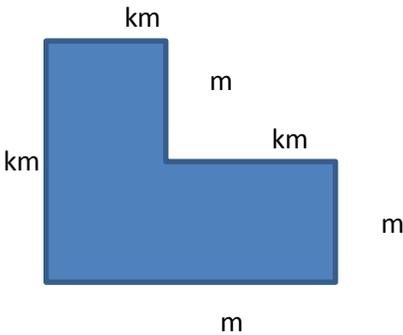


	National Curriculum Statement	All Students		
		Fluency	Reasoning	Problem Solving
Measures	Convert between different units of measure e.g kilometre to metre.	<ul style="list-style-type: none"> Complete the statements: $100\text{cm} = \underline{\quad}\text{m}$ $1\text{km} = \underline{\quad}\text{m}$ $1500\text{ml} = \underline{\quad}\text{l}$ $3.5\text{kg} = \underline{\quad}\text{g}$ Use the word and number cards to complete the statements. To change from cm to mm $\underline{\quad}$ by $\underline{\quad}$ To change from kg to g $\underline{\quad}$ by $\underline{\quad}$ To change from ml to l $\underline{\quad}$ by $\underline{\quad}$ <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; background-color: #4a86e8; color: white;">multiply</div> <div style="border: 1px solid black; padding: 2px 5px; background-color: #f7941d; color: white;">10</div> <div style="border: 1px solid black; padding: 2px 5px; background-color: #00a0c9; color: white;">100</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="border: 1px solid black; padding: 2px 5px; background-color: #6a3d9a; color: white;">divide</div> <div style="border: 1px solid black; padding: 2px 5px; background-color: #7ed321; color: white;">1000</div> </div> <ul style="list-style-type: none"> Are these statements true or false? $1000\text{m} = 1\text{km}$ $1000\text{cm} = 1\text{m}$ $1000\text{ml} = 1\text{l}$ $1000\text{g} = 1\text{kg}$ $1000\text{mg} = 1\text{g}$ 	<ul style="list-style-type: none"> The answer is 475 metres. What could the question be? Hamid says 'To convert kilometres to metres, add three zero's on to the end of the number.' E.g $2\text{km} = 2000\text{m}$ Do you agree with Hamid? Explain why. Laura is 2.72m tall. She is 59cm taller than her sister. How tall is her sister? Give your answer in centimetres. Put these amounts in order starting with the largest. Half of 5 litres Quarter of 8 litres 700 ml Explain your thinking. 	<ul style="list-style-type: none"> A plank of wood is 4.6m long.  Two lengths are cut from the wood. <div style="display: flex; justify-content: space-around; align-items: center; margin: 10px 0;"> <div style="border: 1px solid purple; border-radius: 10px; padding: 5px 15px;">350cm</div> <div style="border: 1px solid purple; border-radius: 10px; padding: 5px 15px;">$2\frac{1}{4}\text{m}$</div> </div> How much wood is left? James and Sita do a sponsored walk for charity. They walk 1.2km altogether. James walks double the amount that Sita walks. How far does Sita walk? They each raise 75p for every 100m they walk. How much money do they each make? James $\underline{\quad}$ Sita $\underline{\quad}$

<p>Area and Perimeter</p>	<p>Convert between different units of measure [for example, kilometre to metre]</p>	<ul style="list-style-type: none"> Complete the statements: $\underline{\quad}$ cm = 2 metres $4\text{km} = \underline{\quad}$ m $\underline{\quad}$ ml = 3.5 litres $\underline{\quad}$ kg = 7500g Convert the measures to the same unit and then complete the calculation. $3\text{km} + \boxed{\quad} = 6500\text{m}$ $800\text{m} - \boxed{\quad} = 0.3\text{km}$ Can you draw rectangles to represent the calculations below? $4\text{cm} + 30\text{mm} + 30\text{mm} + 4\text{cm} =$ $85\text{mm} + 85\text{mm} + 2.5\text{cm} + 2.5\text{cm} =$ Complete each calculation. What have you found? 	<ul style="list-style-type: none"> The answer is 550 metres. What could the question be? Tilly says 'To convert millimetres to centimetres, take one zero off the end of the number.' E.g 30 millimetres = 3 centimetres Will Tilly's rule always work? What is the same and what's different about these measures? Half of 3000 metres Quarter of 6 kilometres 150,000 centimetres Explain your thinking. 	<ul style="list-style-type: none"> This shape has a perimeter of 5500m. Three of the sides are given in kilometres. Three of the sides are given in metres.  <p>Can you fill in each measurement to make the sides add up to the correct perimeter?</p> <p>Can you fill in the sides in more than one way?</p>
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	National Curriculum Statement	All students		
		Fluency	Reasoning	Problem Solving
Measurement - Time	Convert between different units of measure e.g. hour to minute.	<ul style="list-style-type: none"> Fill in the gaps: 1 hour = ___ minutes 1 minute = ___ seconds 2 hours = ___ minutes ___ minutes = 180 seconds Katie goes swimming for 1 hour and 42 minutes. How many minutes was she swimming for? Kelsey is 7 and a half years old. How many months old is she? 	<ul style="list-style-type: none"> James says, "To convert hours to minutes, I multiply the number of hours by 60" Is he correct? Can you explain why? Mark is doing a sponsored silence. Mark says, "If I am silent for five hours at 10p per minute I will raise 50 pounds." Is he correct? Prove it. True or False 4 minutes is shorter than 250 seconds. Show your working. 	<ul style="list-style-type: none"> Five friends are running a race. Their times are below. Can you work out in what order they finished? Emily: 1 minute 32 seconds Simon: 95 seconds Lucy: 1 minute 28 seconds Tony: 89 seconds Carrie: 100 seconds What was the difference between the fastest time and the slowest time? Match the cards together to make a loop where correct answers are next to each other. 

Money

National Curriculum Statement	All students																												
	Fluency	Reasoning	Problem Solving																										
<p>Solve simple measure and money problems involving fractions and decimals to two decimal places.</p>	<ul style="list-style-type: none"> A box of chocolates costs £1.25. Hannah and Thomas want to buy 4 boxes of chocolates. If Hannah pays £2.45, how much must Thomas pay?  <ul style="list-style-type: none"> Emma has five pounds. She spends a quarter of her money. How much does she have left?  <ul style="list-style-type: none"> In the sale I bought some clothes for half price. <table border="0"> <tr><td>Jumper</td><td>£14</td></tr> <tr><td>Scarf</td><td>£7</td></tr> <tr><td>Hat</td><td>£2.50</td></tr> <tr><td>T-shirt</td><td>£6.50</td></tr> </table> <p>How much would the clothes have been full price? How much did I spend altogether? How much did I save?</p> 	Jumper	£14	Scarf	£7	Hat	£2.50	T-shirt	£6.50	<ul style="list-style-type: none"> A class is planning a trip to a theme park. Adult tickets cost £8. Children's tickets cost £4. How many tickets could they buy for £100. How many different ways can you find to do this? Hazel buys a teddy bear for £6.00, a board game for £4.00, a cd for £5.50 and a box of chocolates for £2.50. She has some discount vouchers. She can either get £10.00 off or half price on her items. Which voucher would save her more? Explain your thinking. Yasmin is choosing a new mobile phone. One phone costs £5.50 per month. The other costs £65.50 for a year. Which is the better deal over a year? 	<ul style="list-style-type: none"> Kim bought a chocolate bar and a drink. The cost of them both together is in one of the boxes below. <table border="1" data-bbox="1624 363 1982 699"> <tr><td>£1.85</td><td>75p</td><td>£1.56</td></tr> <tr><td>£1.74</td><td>£2.25</td><td>£1.00</td></tr> <tr><td>£1.80</td><td>80p</td><td>£2.10</td></tr> <tr><td>£1.44</td><td>£3.06</td><td>£1.50</td></tr> <tr><td>£1.20</td><td>£1.25</td><td>£1.60</td></tr> <tr><td>£1.45</td><td>90p</td><td>£1.27</td></tr> </table> <p>Using these five clues can you work out which price in the boxes is correct?</p> <ol style="list-style-type: none"> You need more than three coins to make this amount. There would be change when using the most valuable coin to buy them. The chocolate bar cost more than 50p You could pay without using any copper coins The chocolate bar cost exactly half the amount of the drink. 	£1.85	75p	£1.56	£1.74	£2.25	£1.00	£1.80	80p	£2.10	£1.44	£3.06	£1.50	£1.20	£1.25	£1.60	£1.45	90p	£1.27
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