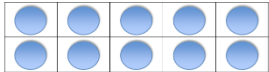
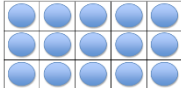




	National Curriculum Statement	All students		
		Fluency	Reasoning	Problem Solving
Multiplication and Division	<p>Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.</p>	<ul style="list-style-type: none"> Calculate: $4 \times 5 =$ $20 \div 2 =$ $6 \times 10 =$ $25 \div 5 =$ A flower has 5 petals. How many petals do 5 flowers have? Circle the odd numbers. 12 13 17 18 21 	<ul style="list-style-type: none"> Which has more? 4 bags of sweets with 5 in each or 3 bags of sweets with 10 in each? Explain your reasoning. $20 = \square \times \square$ What numbers could go in the boxes? Prove it. I have 35p in my pocket in 5p coins. How many coins do I have? Draw a picture to prove your answer. 	<ul style="list-style-type: none"> Tubes of bubbles come in packs of 2 and 5. Holly has 22 tubes of bubbles. How many of each pack could she have? How many ways can you do it? Sally and Katie want to share sweets out equally between them. They can buy bags of 17, 18 or 21 sweets. Which bag should they buy? What other packs of sweets could they buy? Fran and Lily had a tub of lollies. When they shared them between them they had one left over. Just as they had finished sorting, three of their friends came and wanted some lollies so they shared the same lollies again. This time they had 2 left over. How many lollies might have been in the tub?

	National Curriculum Statement	All students		
		Fluency	Reasoning	Problem Solving
Multiplication and Division	<p>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) sign.</p>	<ul style="list-style-type: none"> • $5 \times 3 = 15$ Write a division sentence using the same numbers. • Write these addition sentences as multiplication sentences. $5 + 5 + 5 + 5 = 5 \times 4$ $2 + 2 + 2 =$ $10 + 10 =$ • Can you write 4 number sentences to describe the array? 	<ul style="list-style-type: none"> • How many number sentences can you write to describe this array? Can you use addition, multiplication and division? Explain your answers.  <ul style="list-style-type: none"> • Which four number sentences link these numbers 2, 4, 8? Prove it. • Write these addition sentences as multiplication sentences. $10 + 10 + 10 + 5 + 5 =$ $2 + 2 + 2 + 10 + 10 =$ $5 + 5 + 5 + 2 + 2 + 2 =$ 	<ul style="list-style-type: none"> • Ted buys 4 books for £2 each. If he has a £10 note, how much change will he get? Write the multiplication sentence you need to do. • Use the number cards to make multiplication and division sentences. How many numbers up to 20 can you make?  <ul style="list-style-type: none"> • Use the picture below to think of multiplication and division sentences using x, ÷ and = 

Multiplication and Division

National Curriculum Statement	All students																													
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<p>Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.</p>	<ul style="list-style-type: none"> Write multiplication sentences for the bars below. What do you notice? <table border="1" style="margin-left: 20px;"> <tr> <td>4</td><td>4</td><td>4</td><td>4</td><td>4</td> </tr> <tr> <td>5</td><td>5</td><td>5</td><td>5</td><td>5</td> </tr> </table> <ul style="list-style-type: none"> Fill in the gaps: $\square \times 3 = 15$ $3 \times \square = 15$ Here are some number cards. Use them to fill in each number sentence below. <table border="1" style="margin-left: 20px;"> <tr> <td>2</td><td>10</td><td>20</td> </tr> </table> <p> $_ \times _ = _$ $_ = _ \times _$ $_ \div _ = _$ $_ = _ \div _$ </p>	4	4	4	4	4	5	5	5	5	5	2	10	20	<ul style="list-style-type: none"> True or False? $2 \times 5 = 5 \times 2$ $2 \times 5 = 10 \times 1$ $2 \times 5 = 1 \times 10$ What do you notice? Circle the incorrect number sentence. Explain your reasons. $4 \times 5 = 20$ $5 \times 4 = 20$ $20 \div 5 = 4$ $5 \div 20 = 4$ The rectangle is made of 2 rows of 4 and 4 columns of 2. Can you write 2 multiplication sentences to show this? What do you notice about the numbers? <table border="1" style="margin-left: 20px;"> <tr> <td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td> </tr> </table>									<ul style="list-style-type: none"> Use the number cards to make multiplication and division sentences. How many can you make? <table border="1" style="margin-left: 20px;"> <tr> <td>20</td><td>2</td><td>5</td> </tr> <tr> <td>10</td><td>4</td><td></td> </tr> </table> <ul style="list-style-type: none"> Cassie has 4 bags with 5 sweets in each, Rachel has 5 bags with 4 sweets in each. How many do they have each? Can you split the sweets into different numbers of bags so they both still have the same number? 	20	2	5	10	4	
4	4	4	4	4																										
5	5	5	5	5																										
2	10	20																												
20	2	5																												
10	4																													