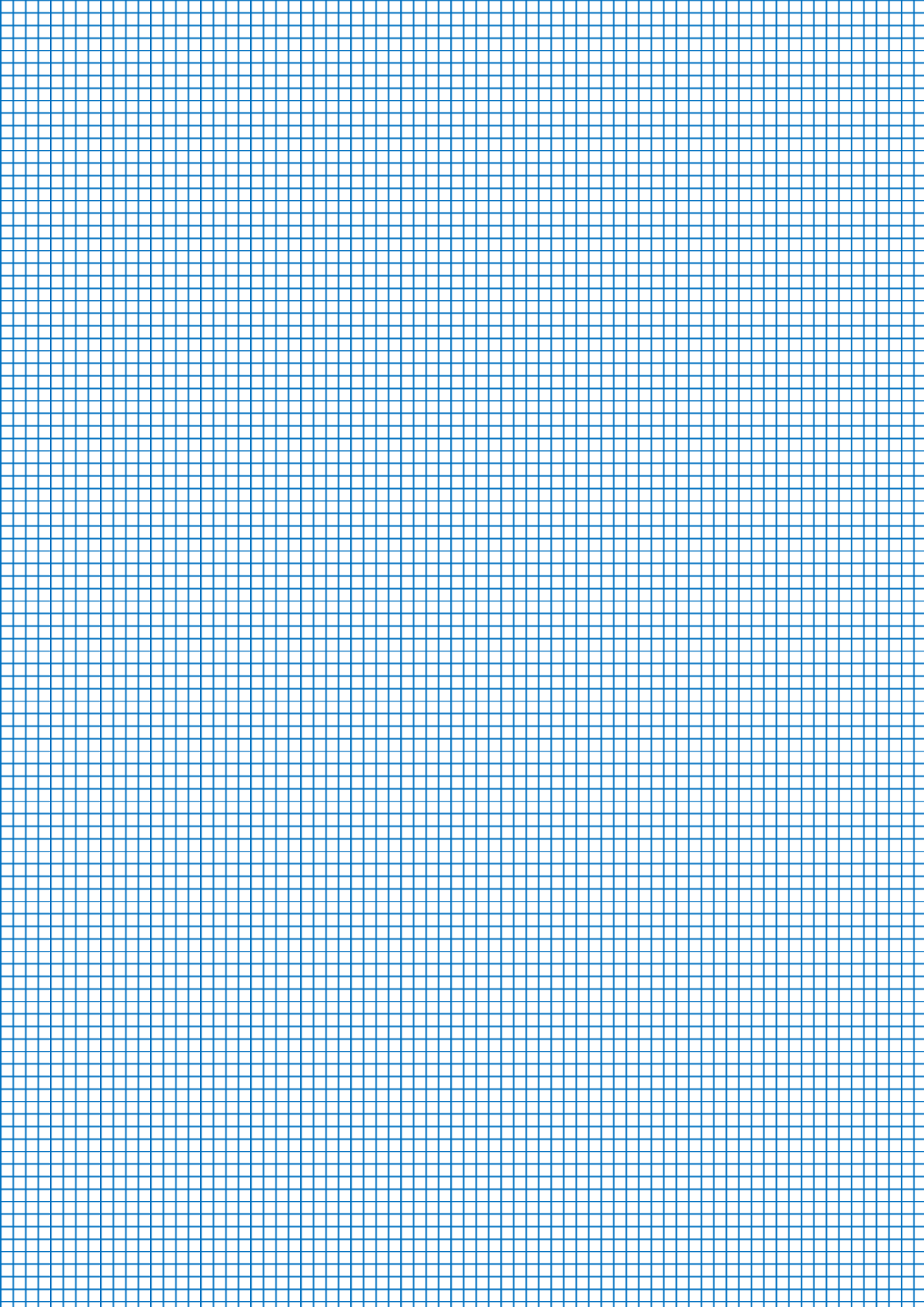


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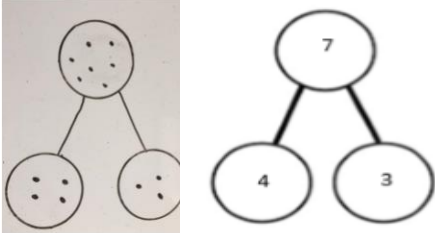


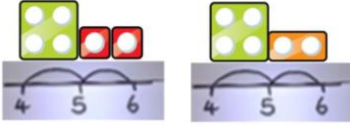
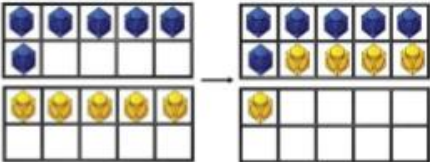
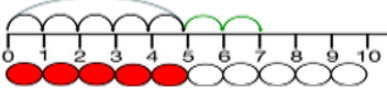




ADDITION

Children in Year 1 need to be able to:

- read, write and understand statements using addition and equals signs
- represent, draw and use number bonds within 20
- add one-digit and two-digit numbers to 20, including 0
- solve one-step problems that involve addition, using concrete objects and pictorial representations, and missing number problems such as $7 = ? + 5$

STRATEGIES	EXAMPLES
<p>Combining two parts to make a whole: part- whole model</p>	 <p>Move part-part whole model into bar model and then the abstract number sentence.</p>  <p>$4 + 3 =$</p>
<p>Starting at the bigger number and counting on</p>	  <p><u>Questions to ask:</u> What is 2 more than 4? What is the sum of 2 and 4? What is the total of 4 and 2? $4 + 2 = ?$</p>
<p>Regrouping to make 10.</p>	<p>$6 + 5$</p>  <p>Use objects and pictures to identify missing numbers.</p> <p>$6 + \square = 11$ $6 + 5 = 5 + \square$ $6 + 5 = \square + 4$</p>
<p>Represent & use number bonds and related subtraction facts within 20</p>	 <p>$5 + 5 = 10$ $10 - 5 = 5$</p> <p>Use language such as: <i>1 more than 5 is equal to 6.</i> <i>2 more than 5 is 7.</i> <i>8 is 3 more than 5.</i></p>


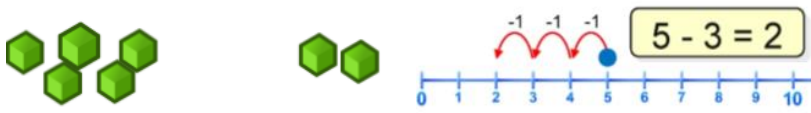
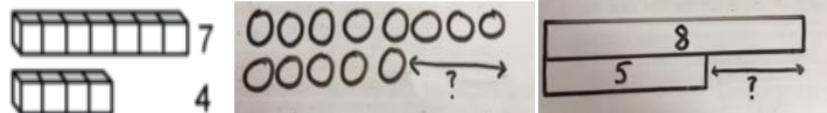
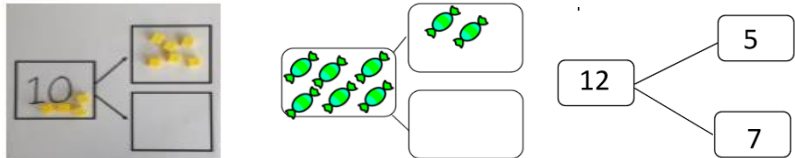
KEY LANGUAGE

Add, equals, greater than, parts, whole, partition, bonds.

SUBTRACTION

Children in Year 1 need to be able to:

- read, write and understand statements involving subtraction and equals signs
- draw, represent and use number bonds and related subtraction facts within 20
- subtract one-digit and two-digit numbers to 20, including 0
- solve one-step problems that involve subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$

STRATEGIES	EXAMPLES
<p>Taking away ones</p>	 <p>Use physical objects or draw pictures/shapes and cross out.</p>
<p>Counting back</p>	 <p>Move objects away from a group counting backwards on a numberline.</p>
<p>Find the difference</p>	 <p>Compare objects/amounts to see what they need to calculate.</p>
<p>Represent and use number bonds and related subtraction facts within 20</p>	 <p>Children find the missing part to make the whole.</p>

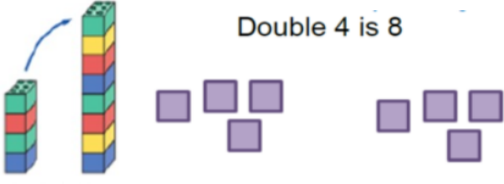
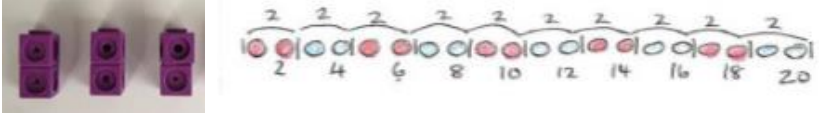
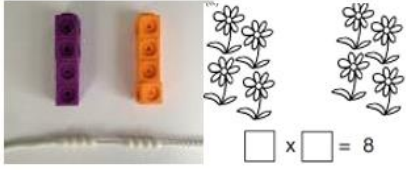
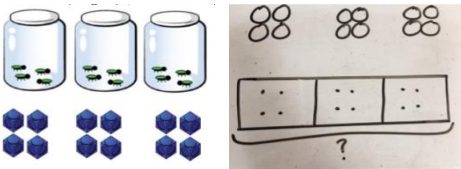
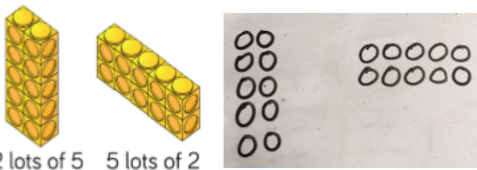
KEY LANGUAGE

Subtract, take-away, minus, equals, less than, parts, whole, bonds.

MULTIPLICATION

Children in Year 1 need to be able to:

- solve one-step problems involving multiplication, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher

STRATEGIES	EXAMPLES
<p>Doubling</p>	 <p>Double 4 is 8</p> <p>Use objects or draw pictures to show how to double numbers.</p>
<p>Counting in multiples</p>	 <p>Use numbers and pictures to help counting in multiples.</p>
<p>Making equal groups and counting the total</p>	 <p>Use objects or draw pictures of the same amount and count the total.</p>
<p>Repeated grouping/addition</p>	 <p>Write number sentences using the + symbol to go with grouped objects and pictures. eg. $4 + 4 + 4 = 12$</p>
<p>Understanding arrays</p>	 <p>Use objects and draw pictures to show how multiplications relate. 5×2 is same as 2×5</p>

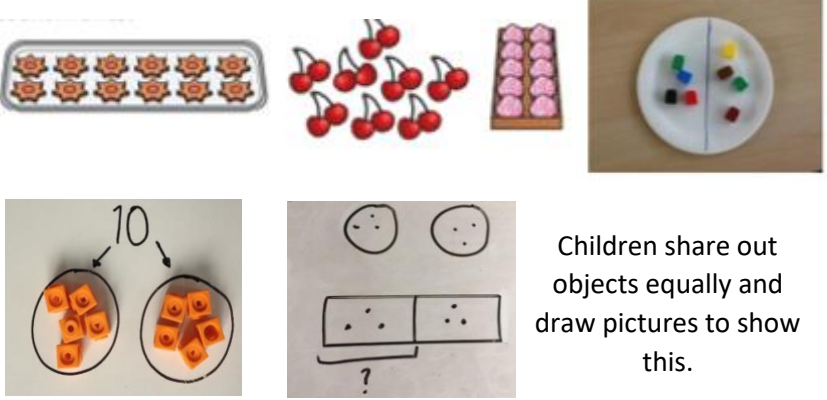
KEY LANGUAGE

Multiply, times, repeated addition, groups of, multiple, equal, double, array.

DIVISION

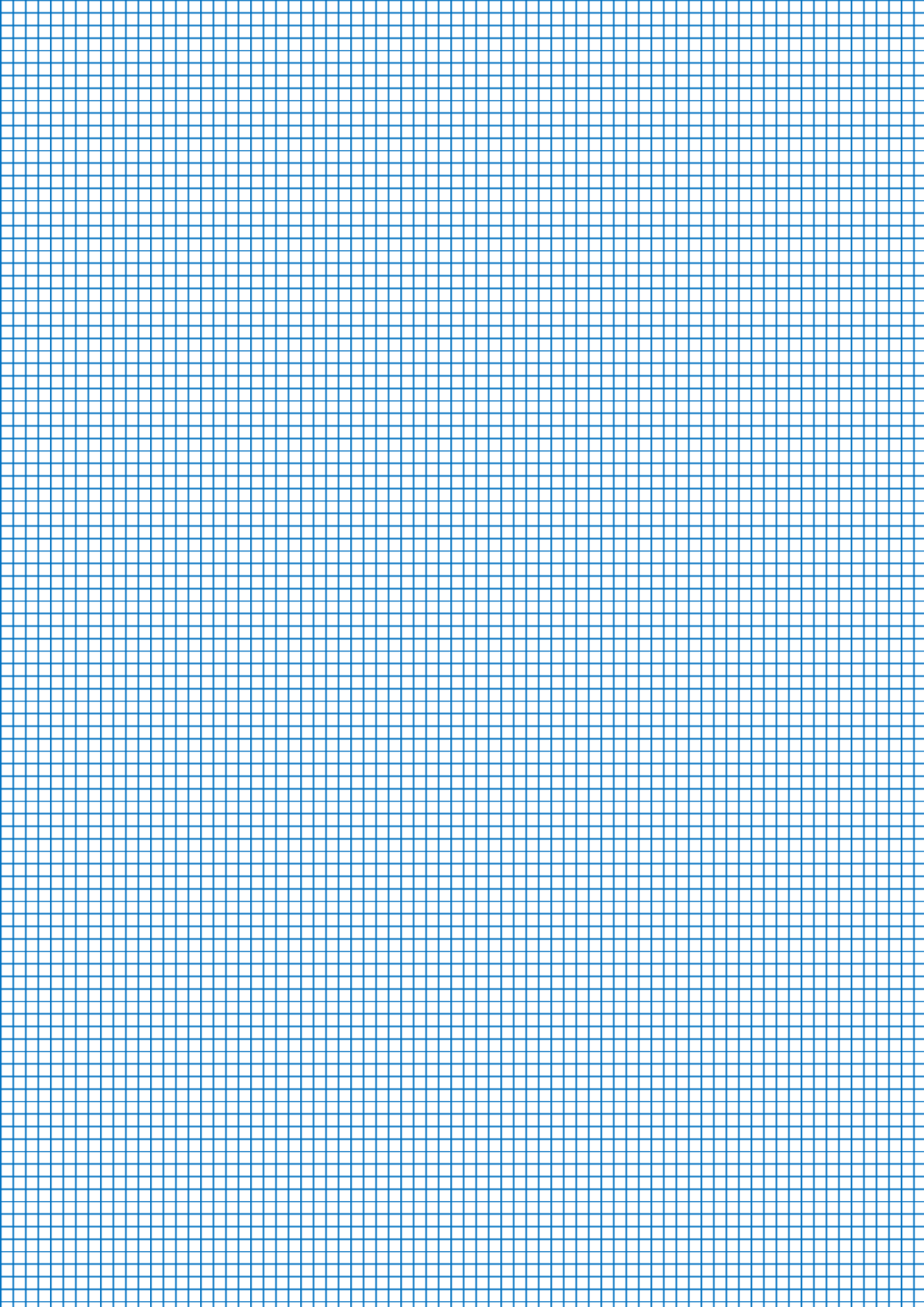
Children in Year 1 need to be able to:

- solve one-step problems involving division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher

STRATEGIES	EXAMPLES
Division as sharing	 <p>Children share out objects equally and draw pictures to show this.</p>

KEY LANGUAGE

Divide, halving, sharing, groups of, equal.



USEFUL WEBSITES

Times Tables:

www.multiplication.com/games/all-games

<http://gamequarium.com/multiplication>

All Maths:

<https://www.mathplayground.com>

<https://login.mathletics.com>

<https://www.oxfordowl.co.uk/for-home/kids-activities/fun-maths-games-and-activities>

<https://www.topmarks.co.uk/maths-games>