

Year 1 maths week 2

5 days of problem solving	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
Factual fluency (to aid fluency)	https://www.topmarks.co.uk/maths-games/daily10 level 1- ordering- smallest first – numbers to 20	https://www.topmarks.co.uk/learning-to-count/helicopter-rescue Count on and back-within 10s – 1 to 50	https://www.topmarks.co.uk/maths-games/daily10 level 1- ordering- smallest first – numbers to 20	https://www.topmarks.co.uk/learning-to-count/helicopter-rescue Count on and back-within 10s – 1 to 50	https://www.topmarks.co.uk/maths-games/daily10 level 1- ordering- largest first – numbers to 20
Problem/activity of the day	<p>My friend says that the number 24 can be made with 3 tens and 4 ones. Are they correct?</p> <p>Make the 24 showing your tens and ones in a number bond diagram (see below).</p> <p>Now draw these numbers in a number bond diagram. Show the tens and ones: 27, 17, 31, 30, 26, 20, 19, 10, 8</p>	<p>Write a pair of numbers that add up to 12.</p> <p style="text-align: center;"><u> </u> + <u> </u> = 12</p> <p>Then, write another pair that also add up to 12. Then another pair and another pair.</p> <p>Find all pairs of numbers that add up to 12?</p>	<p>John has 11 cherries.</p> <p>Robert has 5 more cherries than John.</p> <p>How many cherries does Robert have?</p> <p>Draw a picture to show how you solved this problem. What number sentence did you use to solve it?</p>	<p>My friend baked 18 cupcakes for the cake sale.</p> <p>He sold 7 of them!</p> <p>How many were left?</p>	<p>My friend is finding it tricky to find all the numbers in these fact families, can you help?</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> $4 + 3 = \square$ $7 + \square = 9$ $7 - \square = 4$ $9 - \square = 7$ </div> <div style="border: 1px solid black; padding: 5px;"> $5 + 2 = \square$ $\square + 3 = 9$ $\square - \square = 2$ $\square - \square = \square$ </div> <p>(enlarged below)</p> <p>Explain how she can check that her fact families are correct when she is finished.</p>
Resources you will need	Paper and pencil Ways to show tens and ones (below)	Paper and pencil Objects to add and subtract	Paper and pencil Objects to add	Pencil paper Objects to subtract	Paper and pencil Objects to add and subtract
Tips, clues or methods to help	Put the tens in one part and the ones in the other part	You could start with 1+?, then 2+10, then 3+?	Count out 11 objects, then 5 more.	Count out 18 objects and subtract the amount	Use objects to add or subtract
Want to check?	Add the tens and ones to make the whole	Subtract one number from 12, are you left with the other number?	If you take 5 away from Robert, do you have 11?	Add the amounts up again, do they make 18?	Have all three digits been used?
Theme	Place value	4 operations	4 operations	4 operations	4 operations

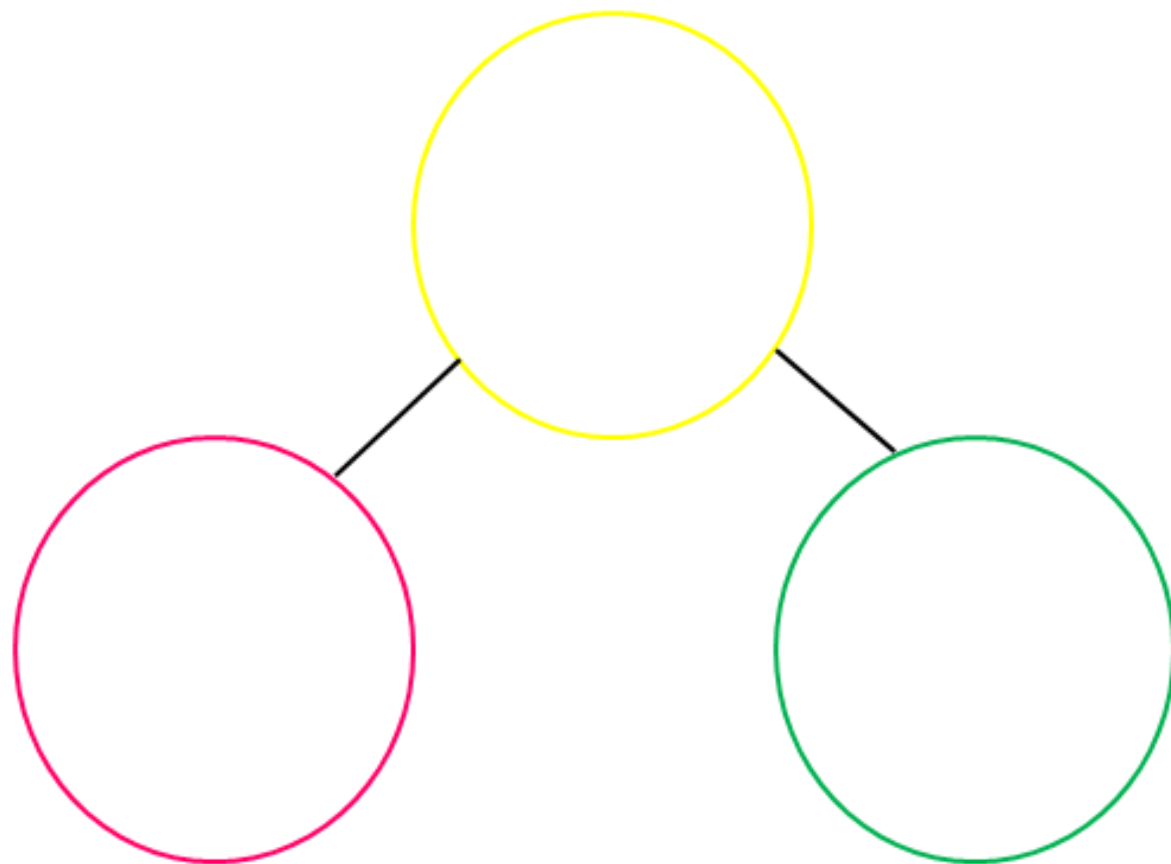
See below for: number bond diagram, enlarged fact families problem for day 5, support resources

Additional online activities: <https://www.topmarks.co.uk/maths-games/mental-maths-train>



(let children choose where they are comfortable)

Learning through play: Eating fruit/treat? How many pieces do you have? If you eat 3 pieces, how many left?





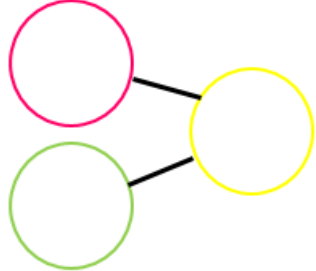






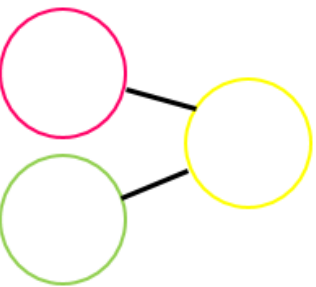






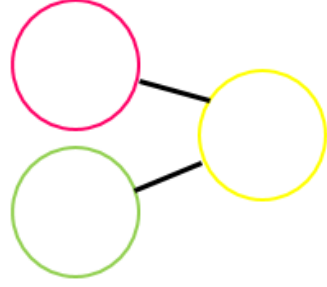


Day 1 – Number bond diagram (part-whole model):



You could show your tens and ones like this too!

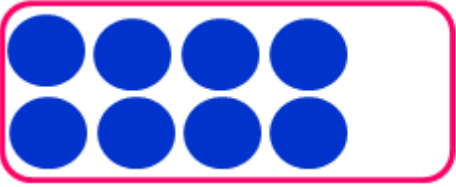

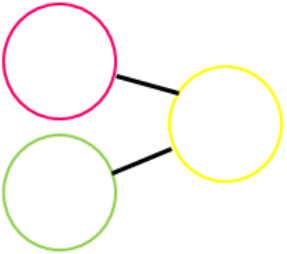
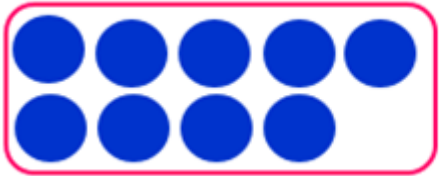

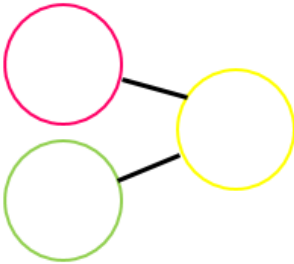
Tens	Ones
	

Day 1 support

<table border="1"><thead><tr><th><u>Tens</u></th><th><u>Ones</u></th></tr></thead><tbody><tr><td></td><td></td></tr></tbody></table>	<u>Tens</u>	<u>Ones</u>			27 is <input type="text"/> tens and <input type="text"/> ones	
<u>Tens</u>	<u>Ones</u>					
						
<table border="1"><thead><tr><th><u>Tens</u></th><th><u>Ones</u></th></tr></thead><tbody><tr><td></td><td></td></tr></tbody></table>	<u>Tens</u>	<u>Ones</u>			17 is <input type="text"/> tens and <input type="text"/> ones	
<u>Tens</u>	<u>Ones</u>					
						
<table border="1"><thead><tr><th><u>Tens</u></th><th><u>Ones</u></th></tr></thead><tbody><tr><td></td><td></td></tr></tbody></table>	<u>Tens</u>	<u>Ones</u>			31 is <input type="text"/> tens and <input type="text"/> ones	
<u>Tens</u>	<u>Ones</u>					
						

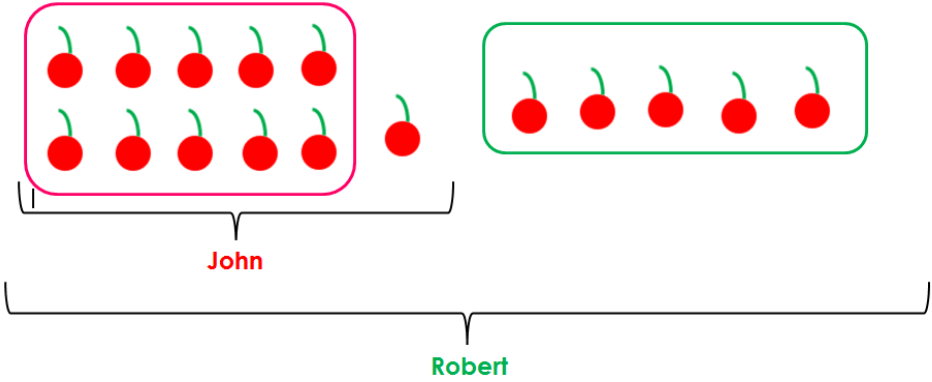
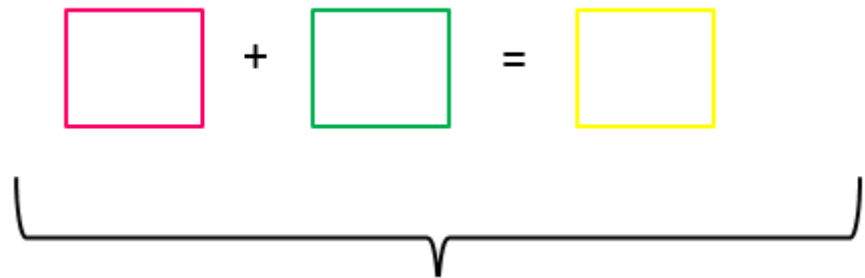
Now have a go at showing these numbers: 30, 26, 20, 19, 10, 8




Day 2 support

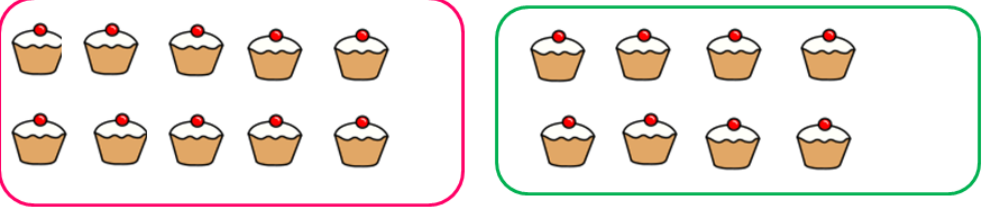
			$\square + \square = \square$ (Pink square + Green square = Yellow square)
			$\square + \square = \square$ (Pink square + Green square = Yellow square)

Now carry on. Use 12 objects to help you.

Day 3 support

	
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 cherries add  cherries equals  cherries.

	$\square - \square = \square$
<p>\square cupcakes take away \square cupcakes equals \square cupcakes</p>	

Day 5 supports:

$4 + 3 = \square$

$7 + \square = 9$

$7 - \square = 4$

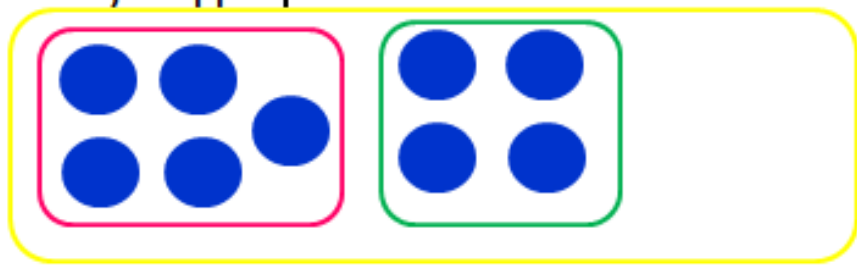
$9 - \square = 7$

$5 + 2 = \square$

$\square + 3 = 9$

$\square - \square = 2$

$\square - \square = \square$

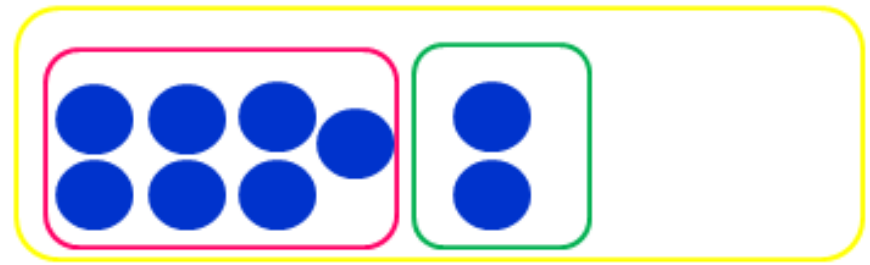


$$\boxed{5} + \boxed{4} = \boxed{}$$

$$\boxed{} + \boxed{} = \boxed{}$$

$$\boxed{9} - \boxed{5} = \boxed{}$$

$$\boxed{} - \boxed{} = \boxed{}$$



$$\boxed{7} + \boxed{2} = \boxed{}$$

$$\boxed{} + \boxed{} = \boxed{}$$

$$\boxed{9} - \boxed{7} = \boxed{}$$

$$\boxed{} - \boxed{} = \boxed{}$$

