

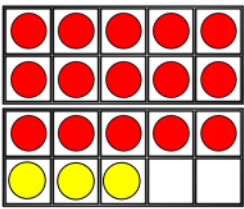

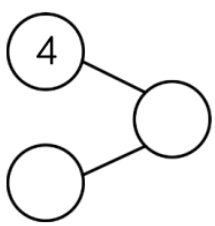




# Maths

Week Beginning – 4<sup>th</sup> May 2020

## Addition and Subtraction

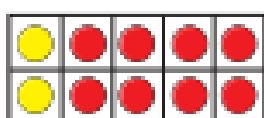
<p><b>Monday</b></p>	<p><b>Video:</b> Open the link and watch the video titled: week 3 - Lesson 1 - Part-whole relationships number bonds <a href="https://whiterosemaths.com/homelearning/year-1/">https://whiterosemaths.com/homelearning/year-1/</a></p> <p><b>Activity:</b> From this week, White Rose Maths has begun sharing its worksheets in a different way. You can find the worksheet for today on <b>page 3</b> of this document.</p> <p><b>Bonus Activity:</b></p> <ul style="list-style-type: none"> <li>Play target number for the number 10. Show how many different ways to make this number using addition or subtraction. For an extra challenge, give yourself a 5 minute time limit!</li> </ul>	<p><b>Optional</b> </p> <p>Can you make a list of what is the same and what is different? You could record this orally on Class Dojo or write your answer.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px;"> <p>Use equipment to represent each of the calculations below.</p> <p>What is the same? What is different?</p> <p style="text-align: center;"><math>7 + 3 = 10</math></p> <p style="text-align: center;"><math>17 + 3 = 20</math></p> <p style="text-align: center;"><math>20 = 7 + 13</math></p> <p>Explain your thinking.</p> </div>
<p><b>Tuesday</b></p>	<p><b>Video:</b> Open the link and watch the video titled: week 3 - Lesson 2 – Fact Families linking addition and subtraction (1) <a href="https://whiterosemaths.com/homelearning/year-1/">https://whiterosemaths.com/homelearning/year-1/</a></p> <p><b>Activity:</b> You can find the worksheet for today on <b>page 6</b> of this document.</p> <p><b>Bonus Activity:</b></p> <ul style="list-style-type: none"> <li>Play target number for the number 20. Show how many different ways to make this number using addition or subtraction. For an extra challenge, give yourself a 5 minute time limit!</li> </ul>	<p><b>Optional</b> </p> <div style="border: 1px solid black; padding: 10px; margin: 10px;"> <p>Circle the addition and subtraction number sentences that match the ten frames.</p> <div style="text-align: center;">  </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: left;"> <math>15 + 3 = 18</math>  <math>3 + 18 = 15</math>  <math>18 + 3 = 15</math>  <math>18 = 3 + 15</math> </div> <div style="text-align: left;"> <math>15 - 3 = 18</math>  <math>18 - 15 = 3</math>  <math>18 - 3 = 15</math>  <math>15 - 18 = 3</math> </div> </div> </div>

<p><b>Wednesday</b></p>	<p><b>Video:</b> Open the link and watch the video titled: week 3 - Lesson 3 – Add together and find a part. <a href="https://whiterosemaths.com/homelearning/year-1/">https://whiterosemaths.com/homelearning/year-1/</a></p> <p><b>Activity:</b> You can find the worksheet for today on <b>page 8</b> of this document.</p> <p><b>Bonus Activity:</b></p> <ul style="list-style-type: none"> <li>Play target number for the number 15. Show how many different ways to make this number using addition or subtraction. For an extra challenge, give yourself a 5 minute time limit!</li> </ul>	<p><b>Optional</b> </p> <div style="border: 1px solid blue; padding: 10px;"> <p>Using the digits 0 – 9, how many ways can you complete the part-whole model? One of the parts always has to be 4</p> <div style="text-align: center;">  </div> <p>You can only use each digit once.</p> <p>Explain why you can't use 0</p> <p>What other digits can't you use and why?</p> </div>
<p><b>Thursday</b></p>	<p><b>Video:</b> Open the link and watch the video titled: week 3 - Lesson 4 – Add more and count on within 20. <a href="https://whiterosemaths.com/homelearning/year-1/">https://whiterosemaths.com/homelearning/year-1/</a></p> <p><b>Activity:</b> You can find the worksheet for today on <b>page 11</b> of this document.</p> <p><b>Bonus Activity:</b></p> <ul style="list-style-type: none"> <li>Play target number for the number 13. Show how many different ways to make this number using addition or subtraction. For an extra challenge, give yourself a 5 minute time limit!</li> </ul>	<p><b>Optional</b> </p> <div style="border: 1px solid blue; padding: 10px;"> <p>Ron starts at 9 and adds on 5 Alex starts at 5 and adds on 9 Show their calculations on the number lines.</p> <p>What do you notice? Does this always happen?</p> <p>Which method do you like best? Why?</p> <div style="margin-top: 10px;">  </div> </div>
<p><b>Friday</b></p>	<p style="text-align: center;"><b>Happy Bank Holiday!</b></p>	

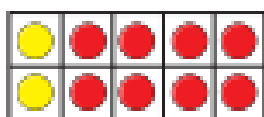
# Find and make number bonds

**I** Complete the additions to match the ten frames.

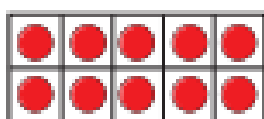
**a)**



$$\square + \square = \square$$



$$\square + \square = \square$$



**b)**



$$\square + \square = \square$$



$$\square + \square = \square$$

**c)** What do you notice?





2 Complete the number bonds.

a)  $4 + 6 =$

$4 + 16 =$

b)  $5 + 5 =$

$5 + 15 =$

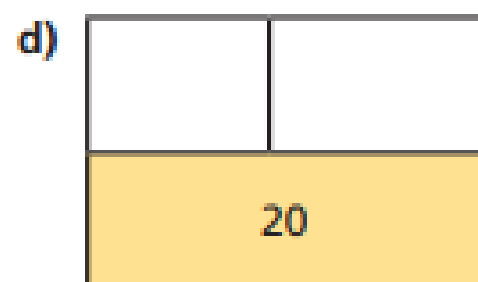
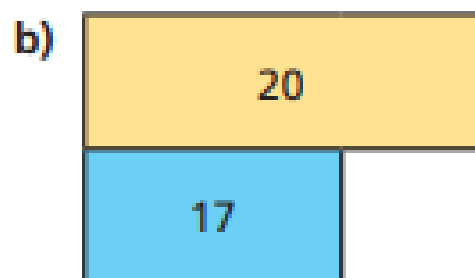
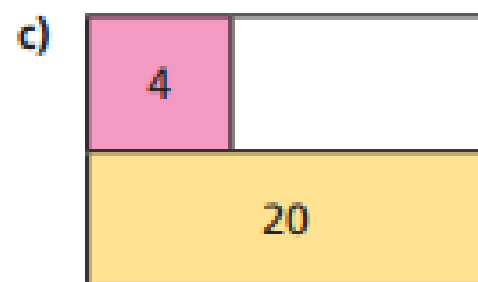
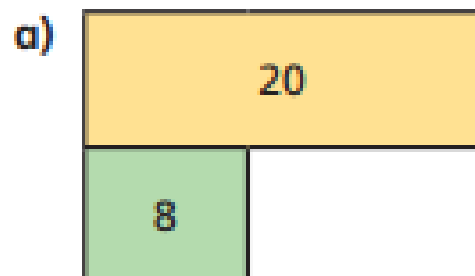
c)  $10 =$    $+ 1$

$20 =$    $+ 1$

d)  $10 = 3 +$

$20 =$    $+ 13$

3 Complete the bar models.



4

Colour all the number bonds to 20



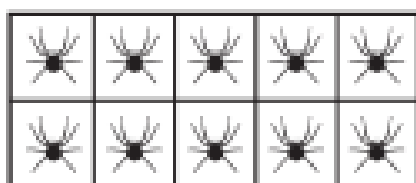
$14 + 3$	$17 + 3$	$2 + 18$	$0 + 20$	$3 + 16$	$9 + 11$	$17 + 3$	$18 + 2$	$2 + 0$
$18 + 1$	$3 + 7$	$12 + 7$	$5 + 15$	$4 + 8$	$1 + 19$	$13 + 5$	$20 + 0$	$1 + 15$
$11 + 8$	$11 + 9$	$19 + 1$	$3 + 17$	$10 + 0$	$13 + 7$	$16 + 2$	$8 + 12$	$5 + 5$
$5 + 6$	$4 + 16$	$19 + 0$	$10 + 1$	$2 + 0$	$14 + 6$	$17 + 1$	$11 + 9$	$11 + 8$
$12 + 5$	$12 + 8$	$18 + 2$	$15 + 5$	$4 + 15$	$16 + 4$	$10 + 10$	$15 + 5$	$13 + 3$

Make your own puzzle like this.

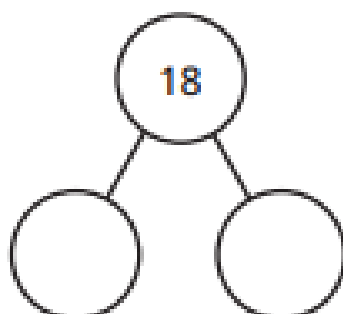



## Related facts

**I** Look at the picture.



Complete the part-whole model and fact family.



$$\square + \square = 18$$

$$\square + \square = 18$$

$$18 - \square = \square$$

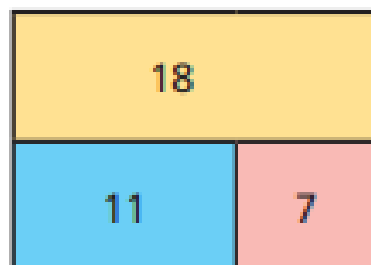
$$18 - \square = \square$$

Can you write each number sentence a different way?



**2** Complete the fact family for each bar model.

**a)**



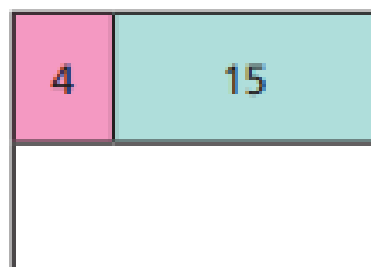
$$\square + \square = \square$$

$$\square + \square = \square$$

$$\square - \square = \square$$

$$\square - \square = \square$$

**b)**



$$\square = \square + \square$$

$$\square = \square + \square$$

$$\square = \square - \square$$

$$\square = \square - \square$$

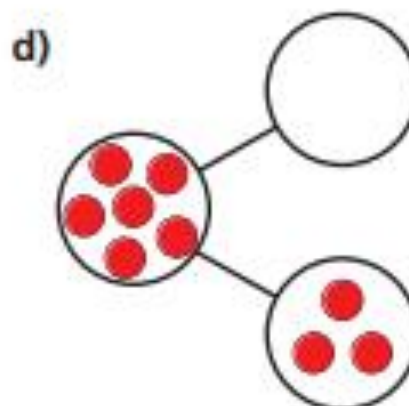
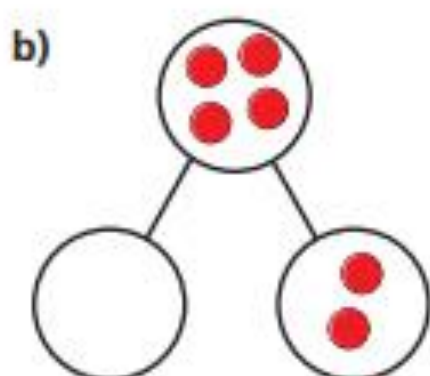
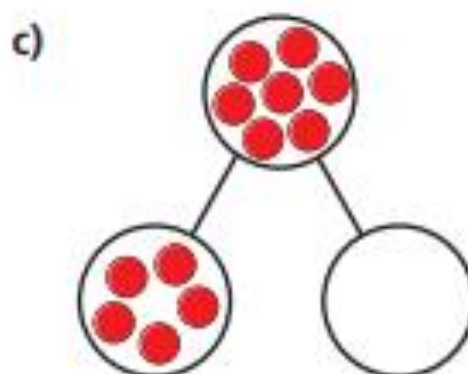
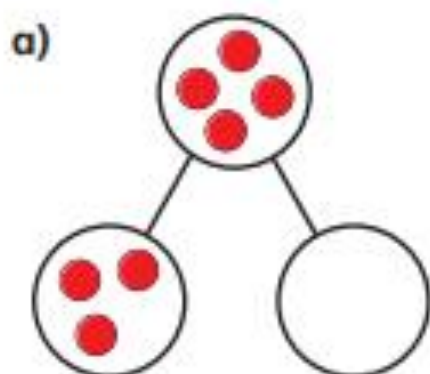
**c)** Draw your own bar models.

Ask a partner to write the fact family to match.



## Find a part

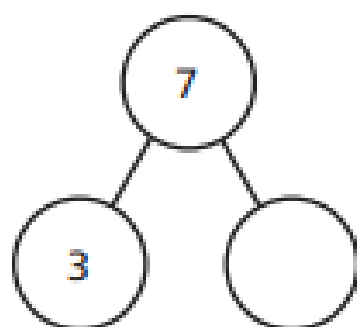
- I** Draw counters to complete the part-whole models.





- 2 Complete the part-whole models.  
Complete the sentences.

a)

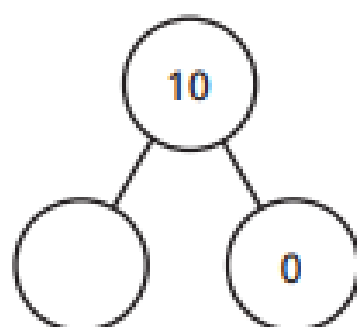


The whole is

is a part.

is a part.

b)



The whole is

is a part.

is a part.

- 3 There are 6 apples in total.

2 apples are green.

The rest are red.

Colour the apples.



Complete the number sentence.  $2 + \square = 6$



- 4 There are 8 shapes in total.  
3 of the shapes are squares.  
The rest are circles.  
Draw a picture to show this.



How many circles are there?

Complete the number sentence.

$$\square + \square = \square$$

- 5 Complete the number sentences.

$$4 + \square = 5$$

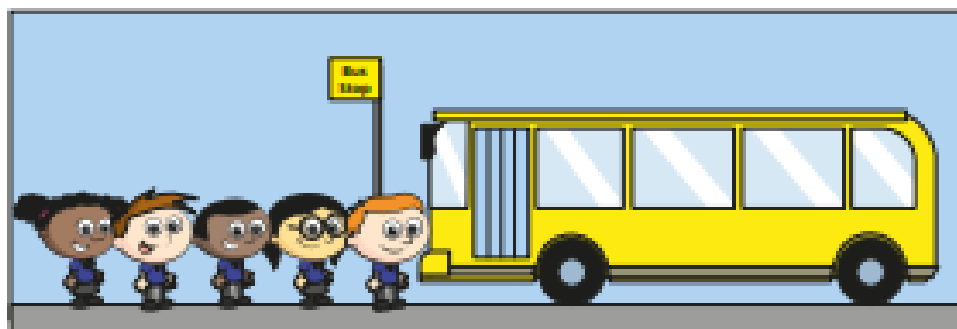
$$4 + \square = 4$$

$$\square + 1 = 4$$

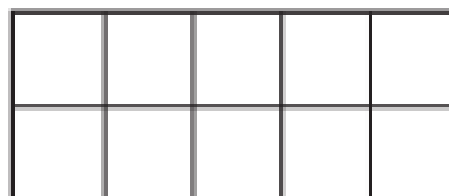
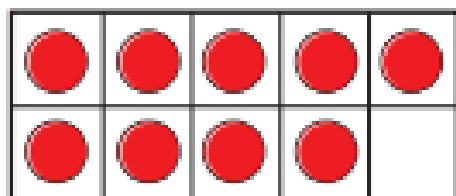
$$5 = \square + 4$$

## Add by counting on

- I** There are 9 children on the bus.  
5 more children get on the bus.



How many children are on the bus now?  
Complete the ten frames and the sentences.



$$\square + \square = \square$$

There are  children on the bus now.

- 2 Eva has 4 coins.

Jack gives her 7 more coins.

How many coins does Eva have now?

Draw on the number line and complete the sentences.

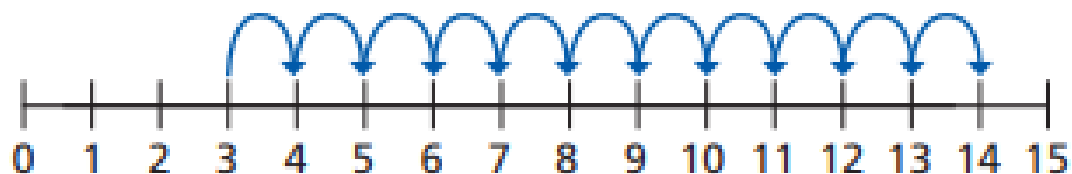


$$\square + \square = \square$$

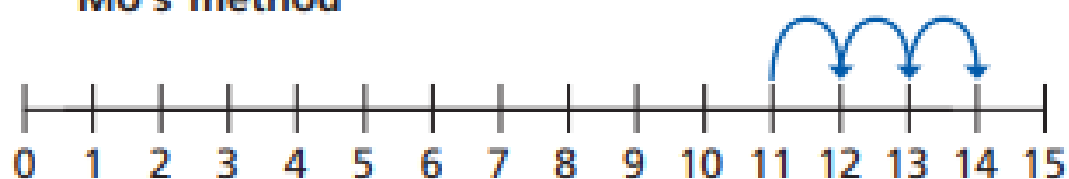
Eva has  $\square$  coins now.

- 3 Ron and Mo are working out  $3 + 11$  on a number line.

**Ron's method**



### Mo's method



What is the same and what is different?

Use the number lines to work out the additions.

a)  $2 + 13 =$



b)  $4 + 9 =$



c)  $1 + 17 =$

