

Canonbury Home Learning

**Year 1 Maths**

**Date: Monday 15.6.2020**

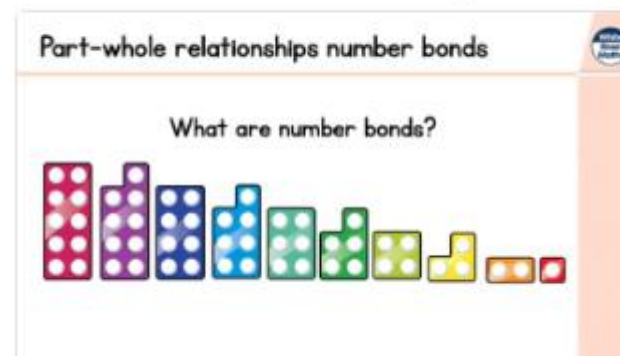
**LO: To find and make number bonds.**

**Watch the interactive video on White Rose Home Learning**

<https://whiterosemaths.com/homelearning/year-1/>

Summer Term – Week 3 (w/c 4th May)

## Lesson 1 - Part-whole relationships number bonds



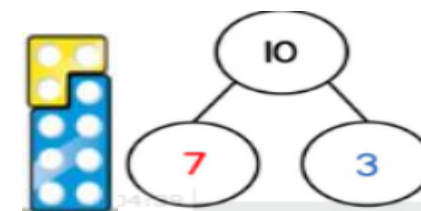
### Success Criteria:

1. Watch the video and pause it to answer the questions.

2. Use small objects to make number bond to 10 and number bonds to 20.

3. Represent your number bonds in these ways:

- Use the numicon images (scroll down) or draw the numicon to make number bonds to ten or number numbers to 20. Draw a part whole model to show different ways of forming number bonds.



4. Answer the questions on the worksheet.

**Model**

Number bonds are different parts of the number that add up to a whole.

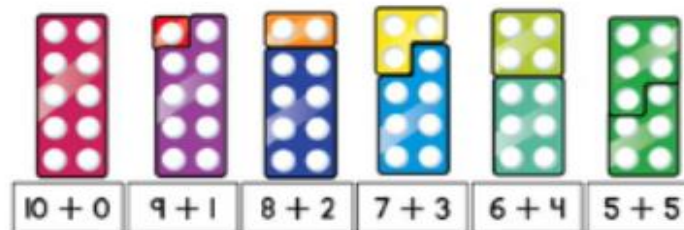


What do we need to add to 7 to make the number 10?

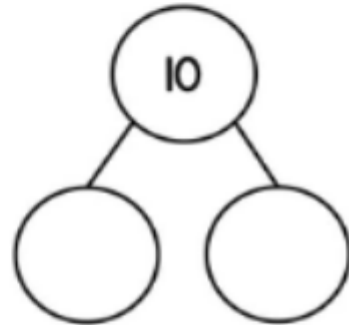
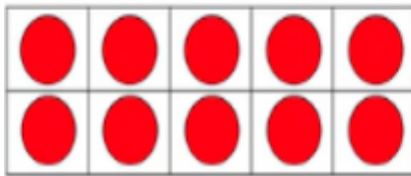
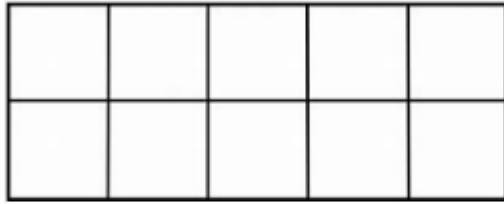
Each time the block we begin with gets one smaller.

The block we add gets one larger.

What will our next number bond start with?



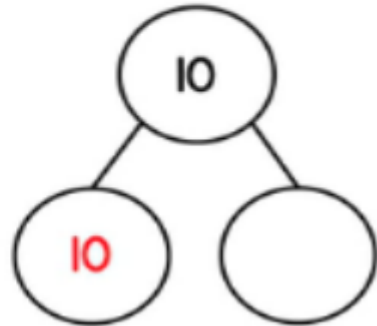
We are going to use a tens frame and double sided counters.



Let us make a connection with a part whole model.

The whole amount is 10.

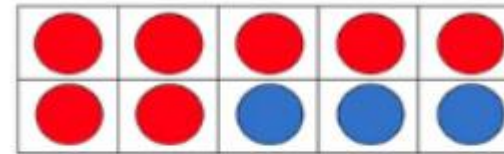
$$10 + \dots = \dots$$



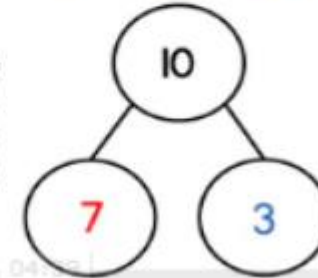
We have ten red counters. How many more do we need to make ten?

What do you notice about the red numbers?

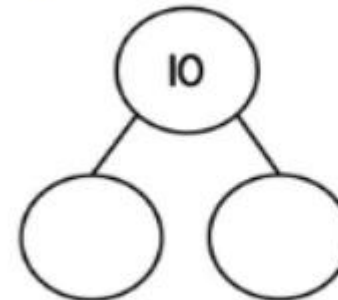
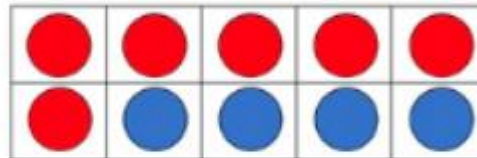
What do you notice about the blue numbers?



$$\begin{aligned} 10 + 0 &= 10 \\ 9 + 1 &= 10 \\ 8 + 2 &= 10 \\ 7 + 3 &= 10 \end{aligned}$$



Can you guess what the next number bond would be?



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

$$10 + 0 = 10$$

$$9 + 1 = 10$$

$$8 + 2 = 10$$

$$7 + 3 = 10$$

$$6 + 4 = 10$$

$$5 + 5 = 10$$

How does this help us to know our number bonds to 20?

$10 + 0 = 10$	
$9 + 1 = 10$	
$8 + 2 = 10$	
$7 + 3 = 10$	
$6 + 4 = 10$	
$5 + 5 = 10$	
$10 + 10 = 20$	
$19 + 1 = 20$	

$9 + 1 = 10$   
 $10 + 9 + 1 = 20$   
 $19 + 1 = 20$

If you know...

$$9 + 1 = \square$$

$$10 = 7 + \square$$

$$16 + \square = 20$$

$$\square + 10 = 10$$

Then you know...

$$19 + 1 = \square$$

$$20 = 7 + \square$$

$$6 + \square = 10$$

$$\square + 20 = 20$$

Number bonds to ten help us to work out number bonds to 20.

**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)  $4 + 6 = \square$

$4 + 16 = \square$

b)  $5 + 5 = \square$

$5 + 15 = \square$

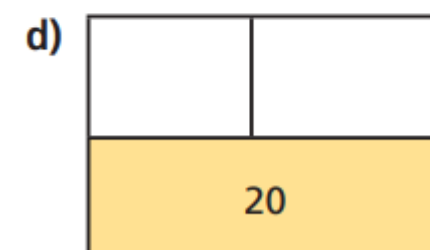
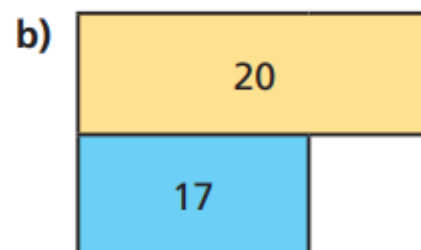
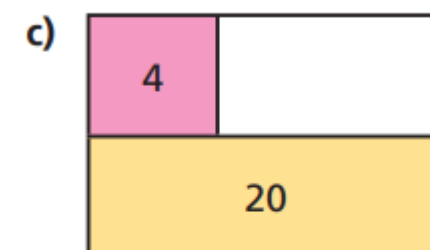
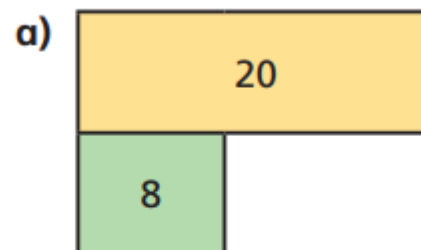
c)  $10 = \square + 1$

$20 = \square + 1$

d)  $10 = 3 + \square$

$20 = \square + 13$

**3** Complete the bar models.







numicon

