

## Instructions and Guidance for Parents – Maths - Finding Number Bonds

- 1) Please grab a piece of paper and ask your child to watch the video provided. There is a starter activity in this video.


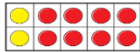
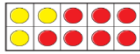

Video Link: <https://vimeo.com/490882337>

Please pause at activity points to complete them. The video will explain finding number bonds using PowerPoint slides and recorded spoken teaching. You can also download a copy of the PowerPoint from the same location this instruction sheet was found. Once you have watched the video, please come back to this document.

**Number bonds:** Number bonds are simply two numbers in a sum that make another. For example: The number bonds of 10 could be: 1+9, 2+8, 3+7 etc etc.

- 2) With the video and PowerPoint there is an activity sheet. Please download this and find a piece of paper to write down the answers. There is also an answers sheet to go through at the end of the session.

- 3) **Question 1:** They are asking to **find the two number bonds that make a number and these numbers are separated by colour**. For example, question A has 2 **yellow** counters and 8 **red** counters. Therefore, the sum is 2+8=10. What do we notice? A and B have the same answers but different sums (different number bonds)

a)		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input type="text"/> = <input type="text"/>
b)		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input type="text"/> = <input type="text"/>
c) What do you notice?		

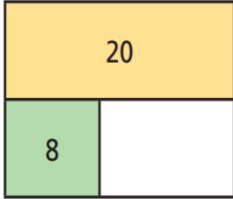
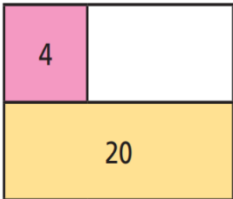
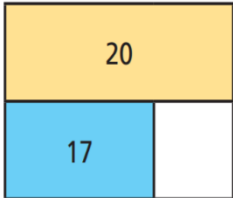
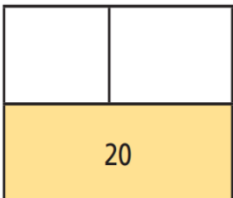
- 4) **Question 2:** You need to complete the number bond sums. Using the information from the video, complete these. The first questions are simple addition sums. **For the other questions, use the one number bond given to you and count upwards until you reach the answer.** The difference between the given number bond and the answer will be the missing number bond.

**2** Complete the number bonds.

a) $4 + 6 = \square$	c) $10 = \square + 1$
$4 + 16 = \square$	$20 = \square + 1$
b) $5 + 5 = \square$	d) $10 = 3 + \square$
$5 + 15 = \square$	$20 = \square + 13$

- 5) **Question 3:** This question is very similar to the last but is in a different format. This format is called a “bar model”. The number at the top is the full number, the bottom two numbers are its number bonds. (The bottom two numbers = the top number). The boxes of the bigger numbers are bigger than the boxes for the smaller numbers to help you work out the sum. **For example, question a) would be  $8 + ? = 20$ . Count on from 8 to get 20 and the number bond will be that number.**

**3** Complete the bar models.

a) 	c) 
b) 	d) 

**6) Question 4:** This question is asking you to shade in the number bonds that make 20. It is asking you to find the two numbers that give you 20. Shade these in and check the table for a pattern. It should give you a giant '20'. As some households are unable to print the worksheet, we cannot complete the final question as seen on the sheet. Instead, pick a number and jot down 10 number bonds sums that make your number.

**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

**7) Once your child has completed the questions, please take a picture where possible and upload your work for marking. Thanks!**