

Number Bonds to 20

Activity Booklet



Rainbow to 20



$0 + 20 = 20$

$1 + 19 = 20$

$2 + 18 = 20$

$3 + 17 = 20$

$4 + 16 = 20$

$5 + 15 = 20$

$6 + 14 = 20$

$7 + 13 = 20$

$8 + 12 = 20$

$9 + 11 = 20$

$10 + 10 = 20$

$11 + 9 = 20$

$12 + 8 = 20$

$13 + 7 = 20$

$14 + 6 = 20$

$15 + 5 = 20$

$16 + 4 = 20$

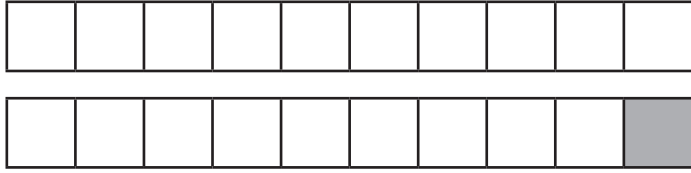
$17 + 3 = 20$

$18 + 2 = 20$

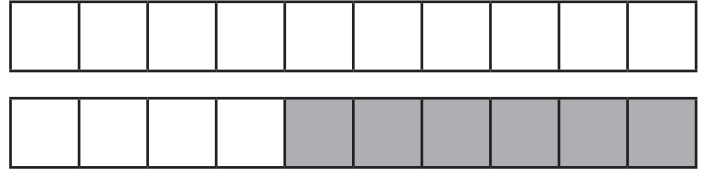
$19 + 1 = 20$

Number Bond Sticks

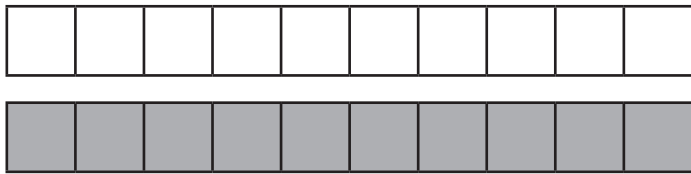
Can you complete these number sentences using number bonds to 20?
The first one has been done for you.



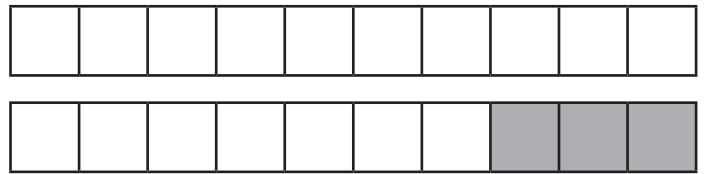
$$\boxed{19} + \boxed{1} = 20$$



$$\boxed{} + \boxed{} = 20$$



$$\boxed{} + \boxed{} = 20$$



$$\boxed{} + \boxed{} = 20$$



$$\boxed{} + \boxed{} = 20$$



$$\boxed{} + \boxed{} = 20$$



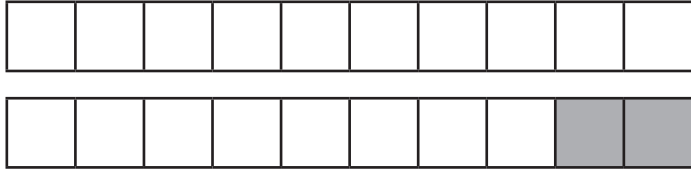
$$\boxed{} + \boxed{} = 20$$



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Number Bond Sticks

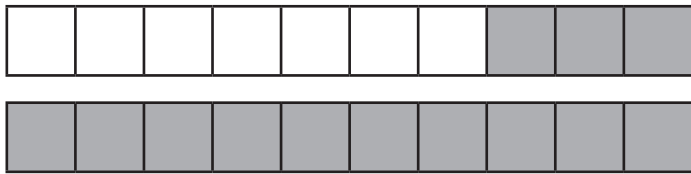
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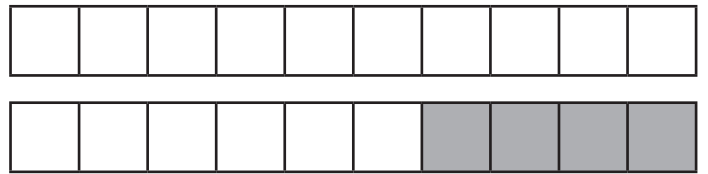
$$\boxed{18} + \boxed{2} = 20$$



$$\boxed{} + \boxed{} = 20$$



$$\boxed{} + \boxed{} = 20$$



$$\boxed{} + \boxed{} = 20$$



$$\boxed{} + \boxed{} = 20$$



$$\boxed{} + \boxed{} = 20$$



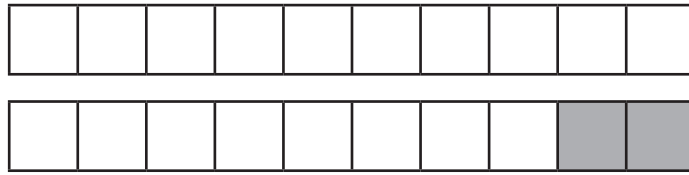
$$\boxed{} + \boxed{} = 20$$



$$\boxed{} + \boxed{} = 20$$

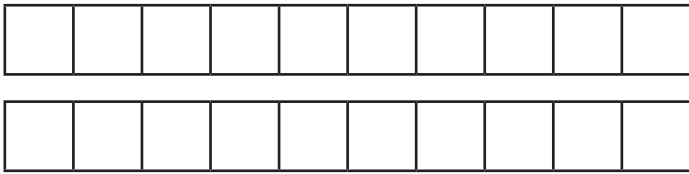
Number Bond Sticks

These number bond sticks are made from 18 white cubes and 2 grey cubes.



$$\boxed{18} + \boxed{2} = 20$$

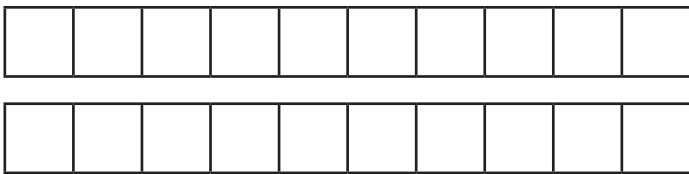
Can you use two colours to make your own sticks with number bonds to 20? Write the matching number sentence below each picture.



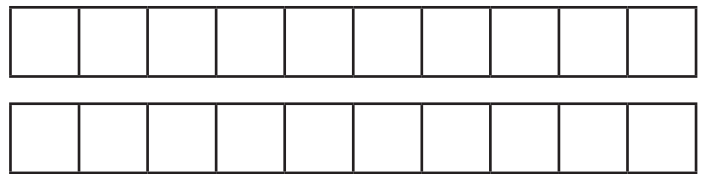
$$\boxed{} + \boxed{} = 20$$



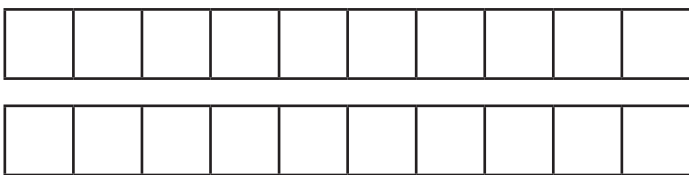
$$\boxed{} + \boxed{} = 20$$



$$\boxed{} + \boxed{} = 20$$



$$\boxed{} + \boxed{} = 20$$



$$\boxed{} + \boxed{} = 20$$

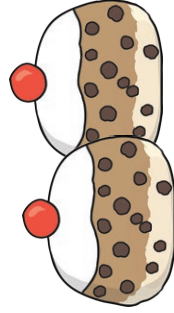


$$\boxed{} + \boxed{} = 20$$

Number Bonds to 20

There are 15 currant buns on a baking tray. The baking tray can hold 20 buns. How many more buns can I put on the tray?

20
15
?



Number Bonds to 20

I have 20 jelly beans. I eat 4. How many do I have left?

20
4
?



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Number Bonds to 20

I have 10 green marbles and 10 purple marbles. How many marbles do I have altogether?

?
10
10



Number Bonds to 20

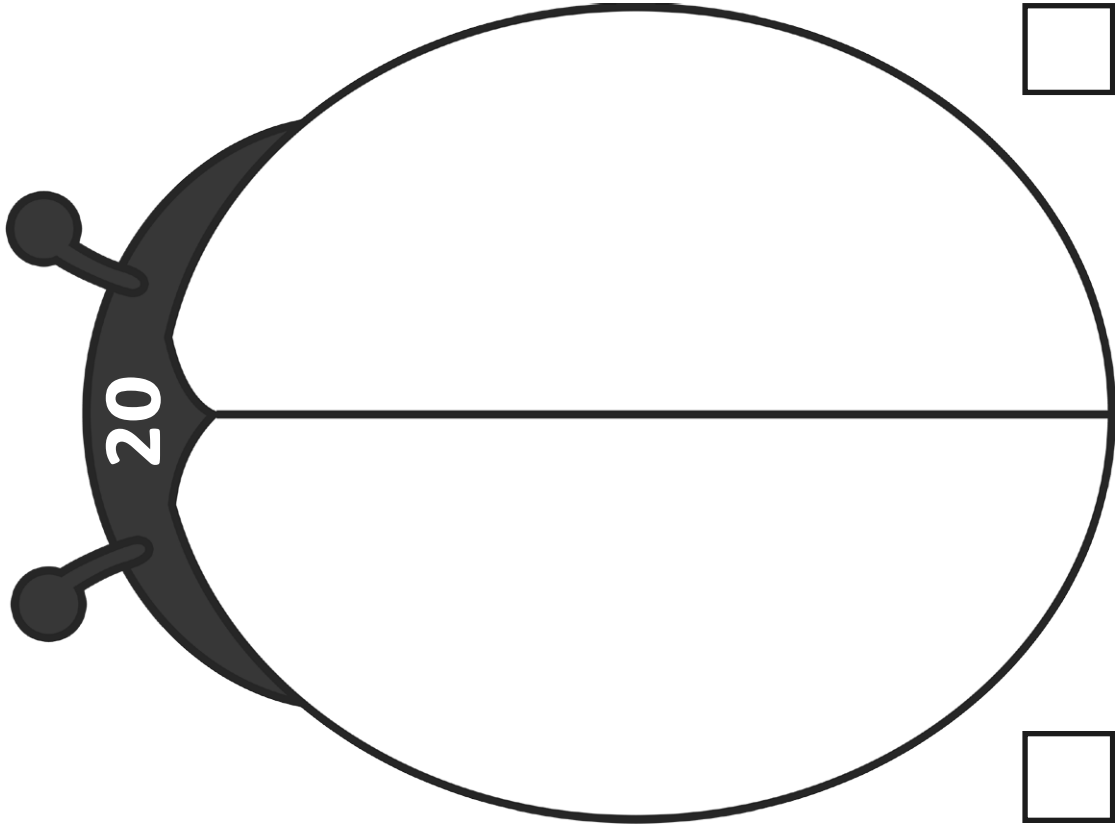
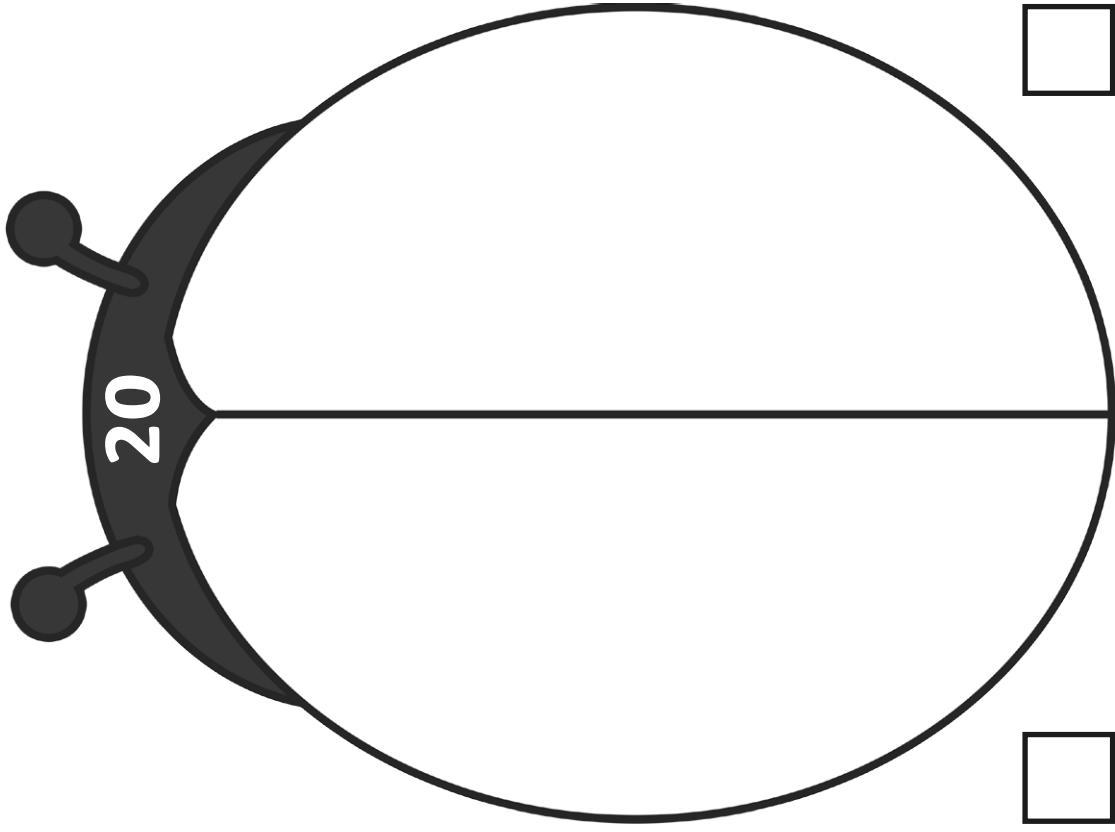
There are 20 sausages in a packet. I cook some of the sausages in a frying pan. There are 17 sausages left in the packet. How many sausages did I cook?

20
?
17



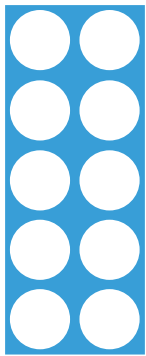
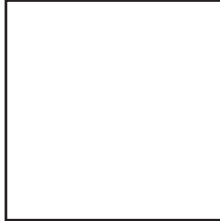
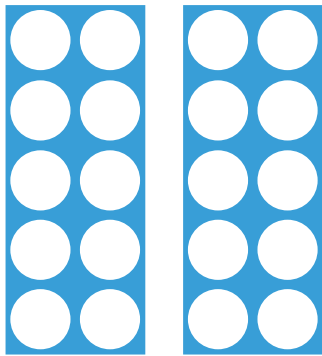
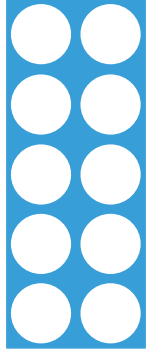
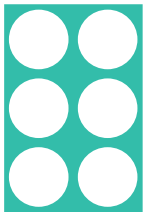

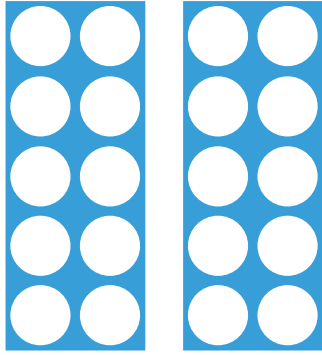
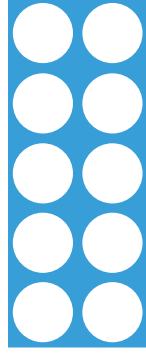
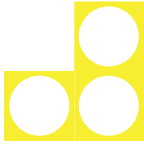
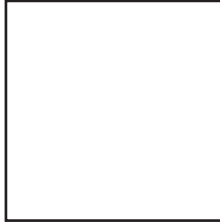
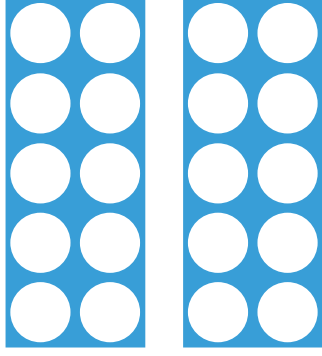
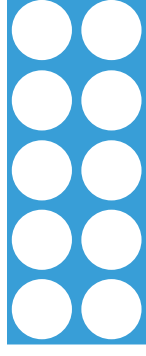
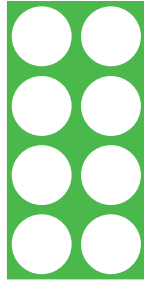

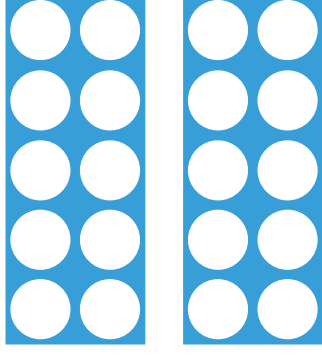
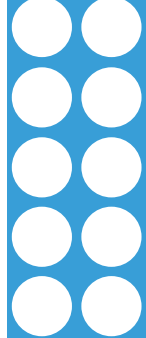
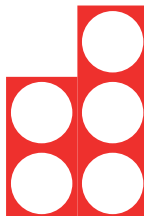

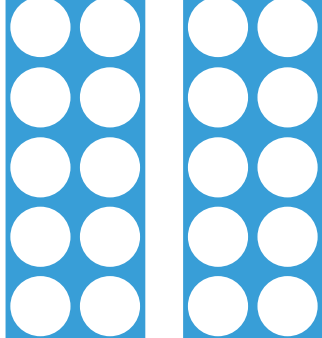
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Can You Find Different Ways to Make 20?



Number Shape Number Bonds to 20 Missing Numbers

Use the number shapes to work out the missing number in each question.

		+		=	
		+		=	
		+		=	
		+		=	
		+		=	

A number bond diagram showing 10 blue tens rods and 2 blue ones rods, followed by a plus sign and an empty square, an equals sign, and 20 blue tens rods.

A number bond diagram showing an empty square, a plus sign, 10 blue tens rods, and 8 red ones rods, followed by an equals sign and 20 blue tens rods.

A number bond diagram showing 10 blue tens rods and 10 purple ones rods, followed by a plus sign and an empty square, an equals sign, and 20 blue tens rods.

A number bond diagram showing an empty square, a plus sign, 10 blue tens rods, and 6 green ones rods, followed by an equals sign and 20 blue tens rods.

A number bond diagram showing 10 blue tens rods and 5 red ones rods, followed by a plus sign and an empty square, an equals sign, and 20 blue tens rods.

Superhero Missing Numbers

Can you find the missing numbers?



$$15 + \text{[]} = 20$$

$$20 = 14 + \text{[]}$$

$$\text{[]} + 6 = 20$$

$$20 = \text{[]} + 9$$

$$7 + \text{[]} = 20$$

$$\text{[]} + 11 = 20$$

$$10 + \text{[]} = 20$$



Four in a Row Game

This is a game for 2 players.

- Each player chooses a different coloured pencil.
- Take it in turns to choose 2 numbers on the grid that add together to make 20.
- If correct, colour them in.
- The first player to connect 4 numbers wins the game.

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

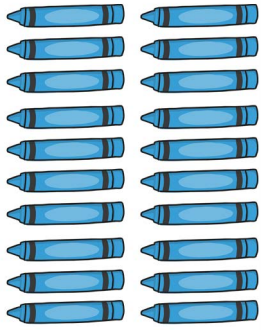
Number Bonds to 20 Worksheet

Find all the number bonds to 20 that are hidden within the grid. These are hidden vertically, horizontally and diagonally. There must be an addition sign between the two numbers for it to count. There are 14 calculations to find.

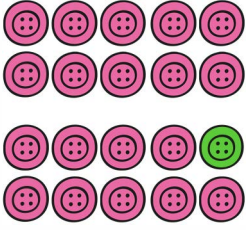
1	+	19	6	+	6	2	14
2	16	+	4	0	5	+	1
+	10	+	10	+	6	3	+
3	13	+	7	20	2	+	18
15	+	18	3	+	17	6	8
+	5	+	3	2	+	20	12
5	+	2	8	+	3	+	+
5	+	19	+	1	4	0	8

Number Bonds to 20

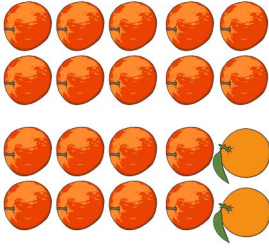
Write the 4 number sentences for each number bonds story.



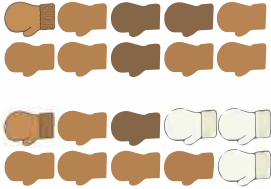
I have 20 crayons.
0 are red but 20 are blue.



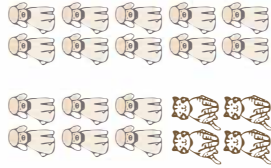
I have 20 buttons.
1 is green and 19 are pink.



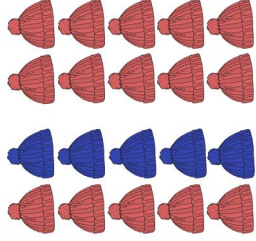
I have 20 pieces of fruit.
There are 2 oranges and 18 apples.



I have 20 single mittens.
3 are cream and 17 are brown.



There are 20 animals.
4 are cats and 16 are dogs.

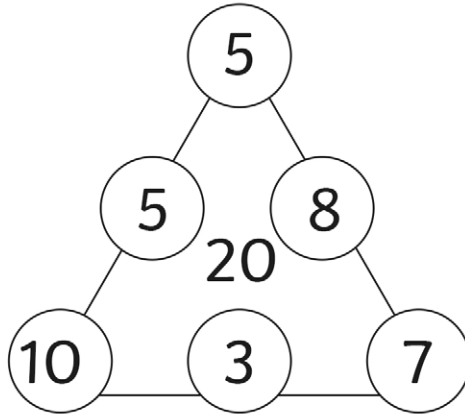


I have 20 hats.
5 are blue and 15 are red.

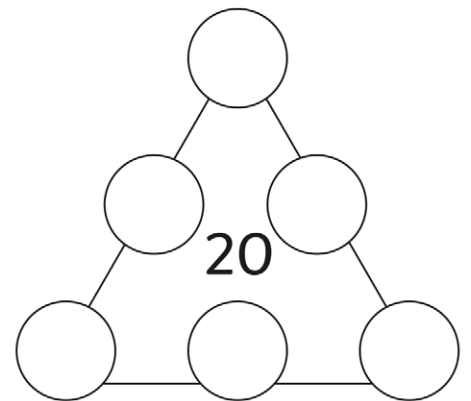
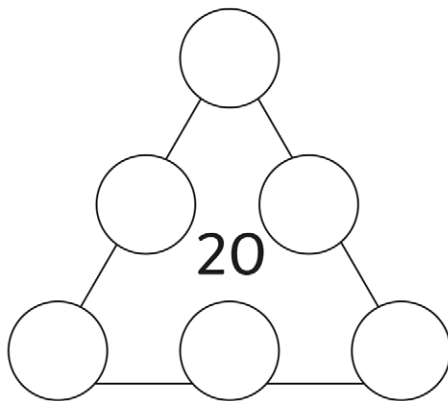
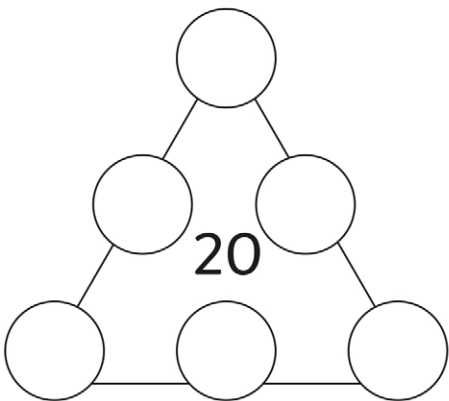
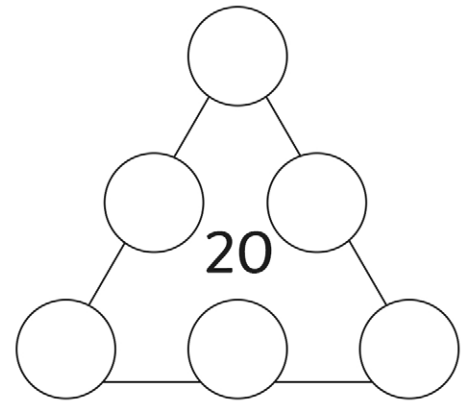
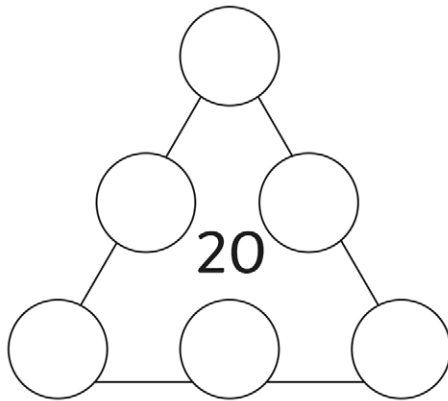
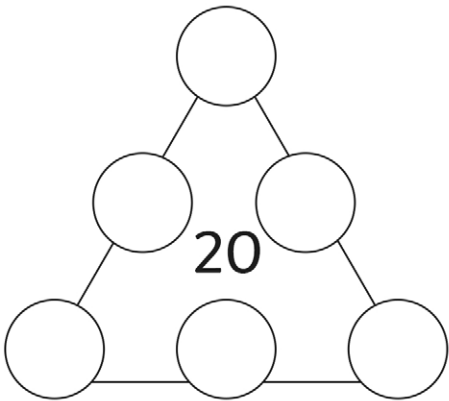
Triangle Totals

Number Bonds to 20

Can you use your number bond skills to make sure that each side adds up to a total of 20?
The first one has been done for you.



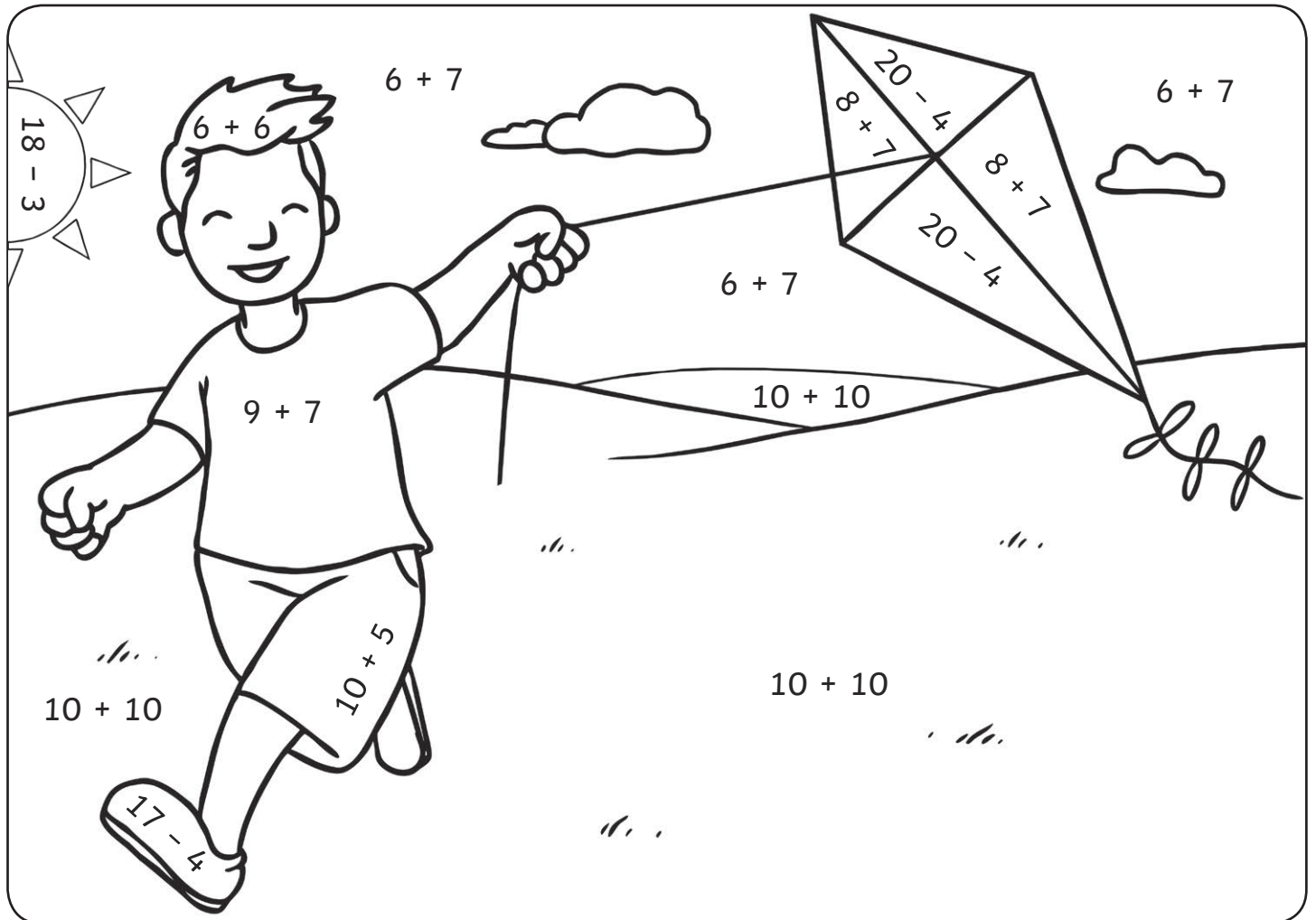
Can you find different ways to make a total of 20?



Addition and Subtraction to 20

Colour by Number

Solve the calculations to colour in this summer picture.



Answer	16	15	20	12	13
Colour	red	yellow	green	brown	blue

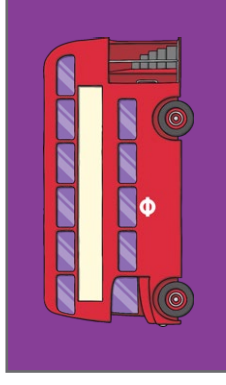
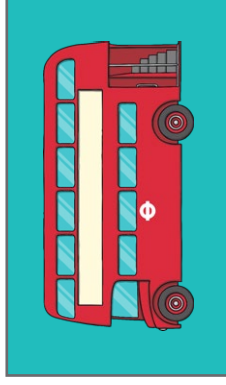
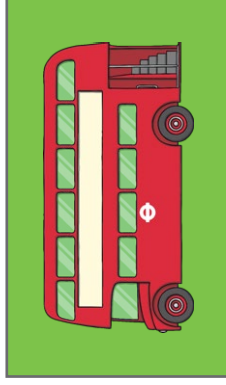
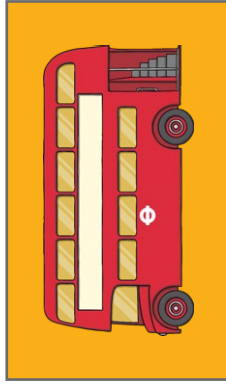
Bonds to 20 Bus Game

You will need:

- Dice
- Bus counters

Instructions:

- Roll the dice and move your bus counter along the road, the number of spaces the dice shows.
- Say the bond that makes 20 with the number in the square you land on.
- The first person to reach the bus stop is the winner.



Start	18	3	15	6	17	2
						
3	16	0	19	Go back one space.	4	11
						
10	14	7	12	1	19	Go back one space.
						
15	20	6	13	Go back one space.	7	5
						
4	Go back one space.	12	10	11	9	Finish