

Number Bonds to 20

Activity Booklet



Rainbow to 20



$0 + 20 = 20$

$10 + 10 = 20$

$1 + 19 = 20$

$11 + 9 = 20$

$2 + 18 = 20$

$12 + 8 = 20$

$3 + 17 = 20$

$13 + 7 = 20$

$4 + 16 = 20$

$14 + 6 = 20$

$5 + 15 = 20$

$15 + 5 = 20$

$6 + 14 = 20$

$16 + 4 = 20$

$7 + 13 = 20$

$17 + 3 = 20$

$8 + 12 = 20$

$18 + 2 = 20$

$9 + 11 = 20$

$19 + 1 = 20$

Number Bond Sticks

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



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



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



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



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



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



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



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



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

Number Bond Sticks

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



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



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



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



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



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



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



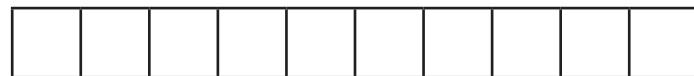
$$\boxed{\quad} + \boxed{\quad} = 20$$



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

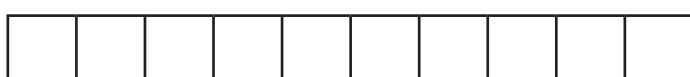
Number Bond Sticks

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



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

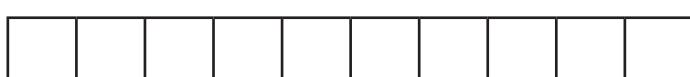
Can you use two colours to make your own sticks with number bonds to 20? Write the matching number sentence below each picture.



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



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



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



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



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

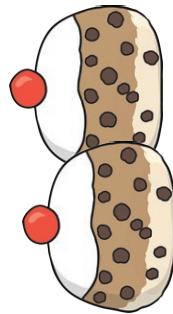


$$\boxed{\quad} + \boxed{\quad} = 20$$

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		



Number Bonds to 20

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

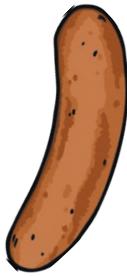
?		
10		10



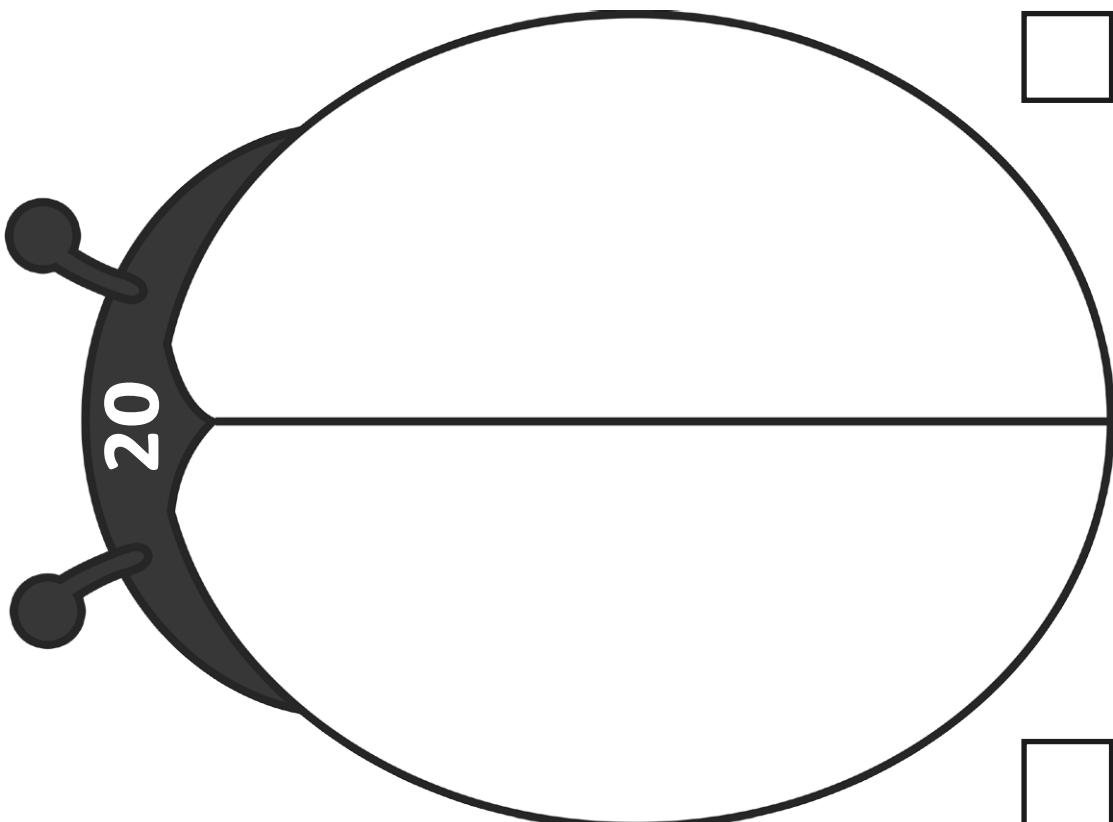
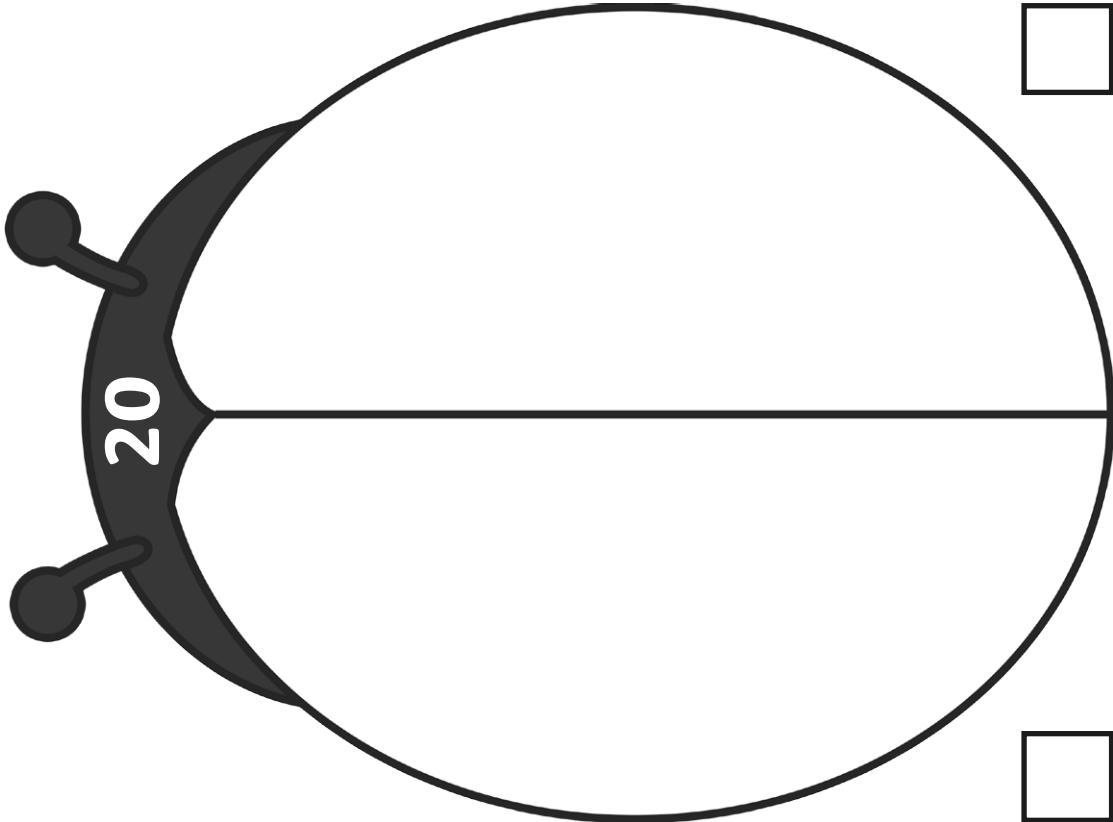
Number Bonds to 20

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
?		

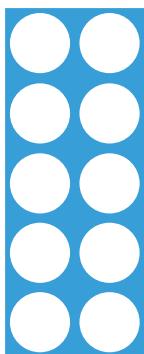
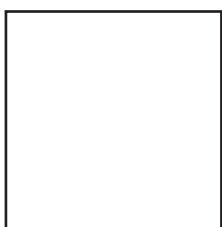
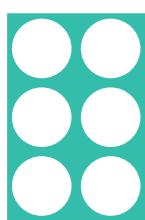
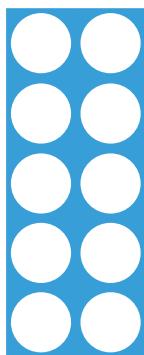
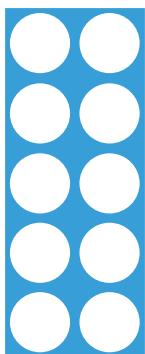
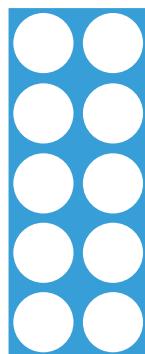
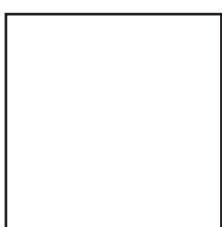
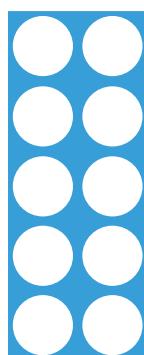
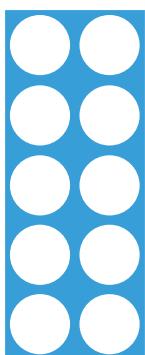
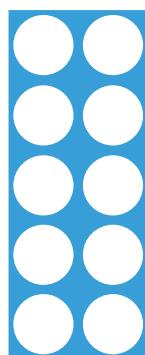
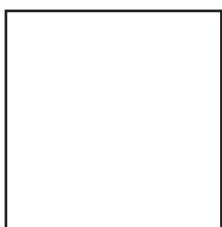
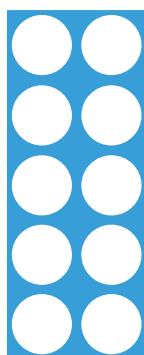
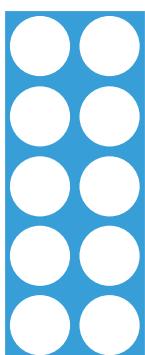
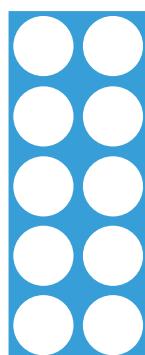
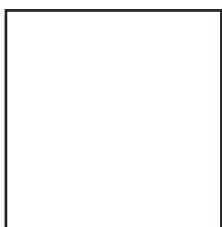
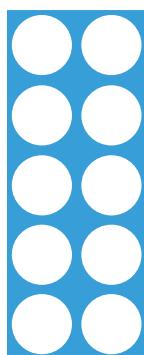
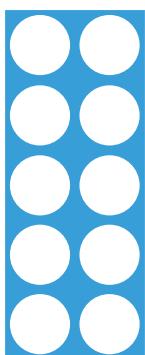
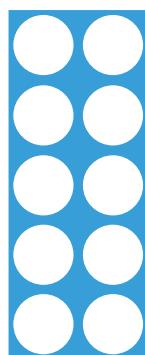
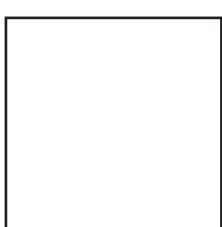
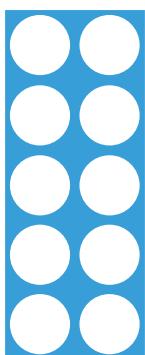
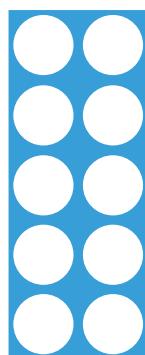


Can You Find Different Ways to Make 20?



Number Shape Number Bonds to 20 Missing Numbers

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

 $+$  $=$  $+$  $=$  $+$  $=$  $+$  $=$  $+$  $=$ 

Number Shape Number Bonds to 20 Missing Numbers

$$\begin{array}{c} \text{+} \\ \begin{matrix} \text{[Blue 10-frame]} & \text{[Grey 2-frame]} \end{matrix} \end{array} + \begin{array}{c} \text{[Empty 10-frame]} \end{array} = \begin{array}{c} \text{[Blue 10-frame]} \\ \text{[Blue 10-frame]} \end{array}$$

$$\begin{array}{c} \text{+} \\ \text{[Empty 10-frame]} \end{array} + \begin{array}{c} \text{[Blue 10-frame]} \\ \text{[Red 2-frame]} \end{array} = \begin{array}{c} \text{[Blue 10-frame]} \\ \text{[Blue 10-frame]} \end{array}$$

$$\begin{array}{c} \text{+} \\ \begin{matrix} \text{[Blue 10-frame]} & \text{[Purple 2-frame]} \end{matrix} \end{array} + \begin{array}{c} \text{[Empty 10-frame]} \end{array} = \begin{array}{c} \text{[Blue 10-frame]} \\ \text{[Blue 10-frame]} \end{array}$$

$$\begin{array}{c} \text{+} \\ \text{[Empty 10-frame]} \end{array} + \begin{array}{c} \text{[Blue 10-frame]} \\ \text{[Teal 2-frame]} \end{array} = \begin{array}{c} \text{[Blue 10-frame]} \\ \text{[Blue 10-frame]} \end{array}$$

$$\begin{array}{c} \text{+} \\ \begin{matrix} \text{[Blue 10-frame]} & \text{[Red 2-frame]} \end{matrix} \end{array} + \begin{array}{c} \text{[Empty 10-frame]} \end{array} = \begin{array}{c} \text{[Blue 10-frame]} \\ \text{[Blue 10-frame]} \end{array}$$

Superhero Missing Numbers

Can you find the missing numbers?

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



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

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

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

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



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

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

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

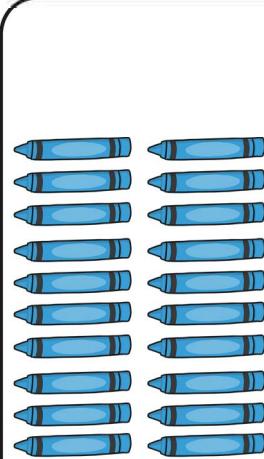
Number Bonds to 20 Worksheet

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.

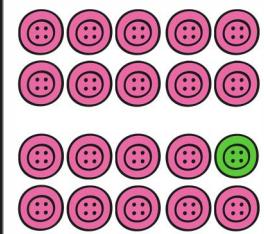
1	+	19	6	+	6	2	14
2	16	+	4	0	5	+	1
+	10	+	10	+	6	3	+
3	13	+	7	20	2	+	18
15	+	18	3	+	17	6	8
+	5	+	3	2	+	20	12
5	+	2	8	+	3	+	+
5	+	19	+	1	4	0	8

Number Bonds to 20

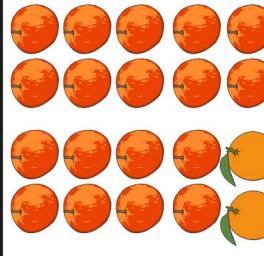
Write the 4 number sentences for each number bonds story.



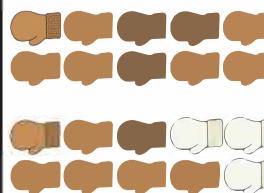
I have 20 crayons.
0 are red but 20 are blue.



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.

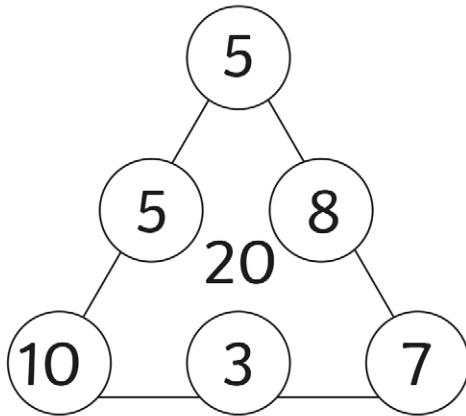


I have 20 hats.
5 are blue and 15 are red.

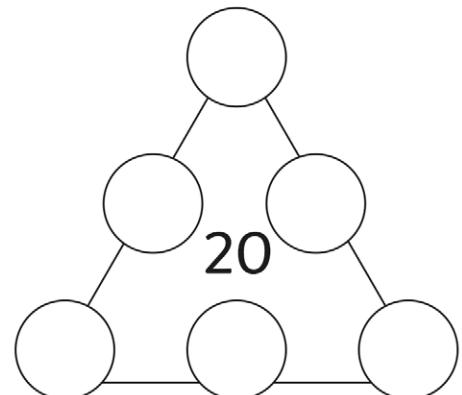
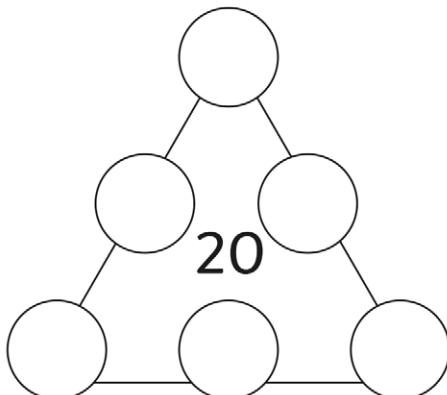
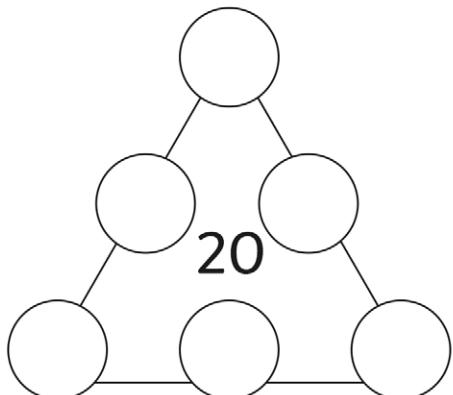
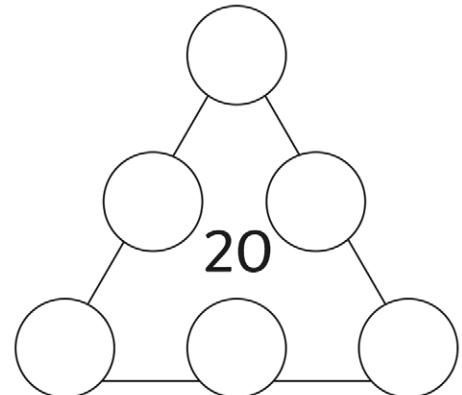
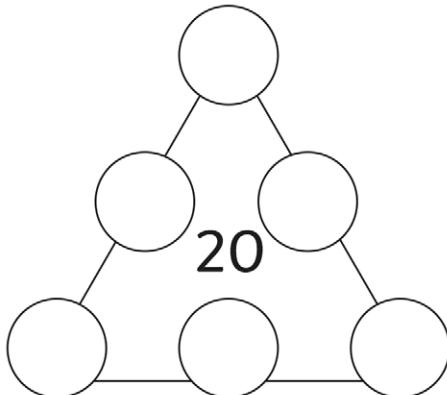
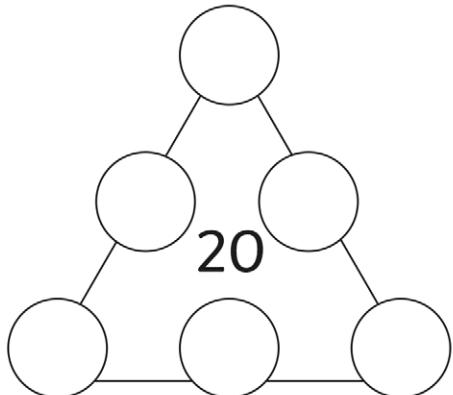
Triangle Totals

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.



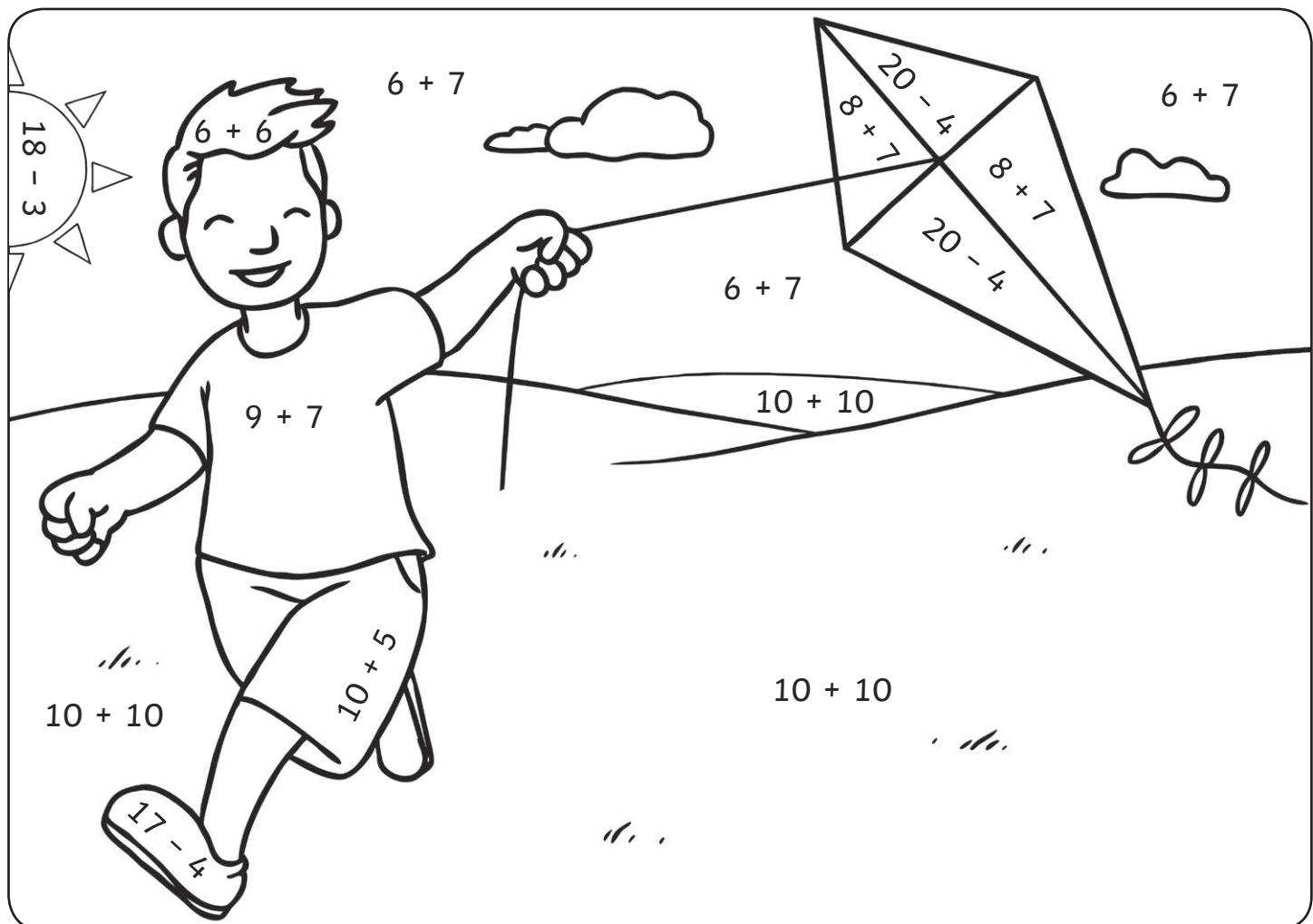
Can you find different ways to make a total of 20?



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

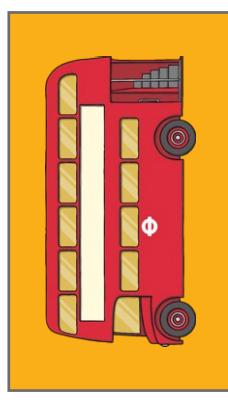
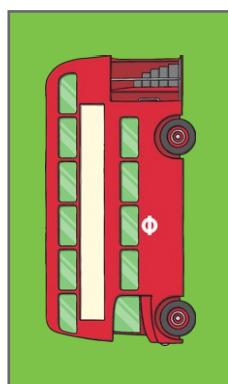
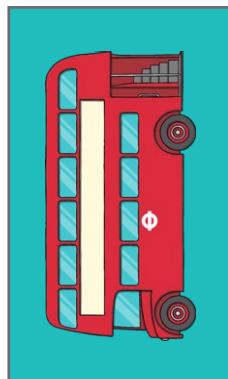
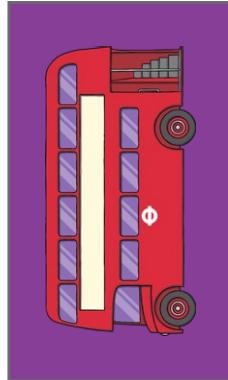
Bonds to 20 Bus Game

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.



This image shows a board game template with 20 numbered squares arranged in a grid. The squares are dark grey with white numbers. Some squares contain illustrations related to food, nature, and buildings.

- Row 1:** Starts at "Start" (square 1), followed by square 2 (empty), square 3 (building), square 4 (water), square 5 (bus stop).
- Row 2:** Square 6 (empty), square 7 (water), square 8 (bus stop), square 9 (empty), square 10 (empty), square 11 (empty), square 12 (empty), square 13 (empty), square 14 (empty), square 15 (empty), square 16 (empty), square 17 (empty), square 18 (empty), square 19 (empty), square 20 (empty).
- Row 3:** Square 1 (empty), square 2 (empty), square 3 (empty), square 4 (empty), square 5 (empty), square 6 (empty), square 7 (empty), square 8 (empty), square 9 (empty), square 10 (empty), square 11 (empty), square 12 (empty), square 13 (empty), square 14 (empty), square 15 (empty), square 16 (empty), square 17 (empty), square 18 (empty), square 19 (empty), square 20 (empty).

Illustrations:

- Square 4:** A circular illustration of a swirl of water.
- Square 5:** An orange double-decker bus.
- Square 6:** A slice of pizza.
- Square 15:** A building with a chimney.
- Square 16:** Two wooden houses.
- Square 17:** A blue pond with a small boat.
- Square 18:** A yellow bus with "TWINKIEA" written on its side.
- Square 19:** A soccer ball.
- Square 20:** A purple wrench.