

Number Bonds of 20

Activity Booklet



Rainbow of 20



$0 + 20 = 20$

$1 + 19 = 20$

$2 + 18 = 20$

$3 + 17 = 20$

$4 + 16 = 20$

$5 + 15 = 20$

$6 + 14 = 20$

$7 + 13 = 20$

$8 + 12 = 20$

$9 + 11 = 20$

$10 + 10 = 20$

$11 + 9 = 20$

$12 + 8 = 20$

$13 + 7 = 20$

$14 + 6 = 20$

$15 + 5 = 20$

$16 + 4 = 20$

$17 + 3 = 20$

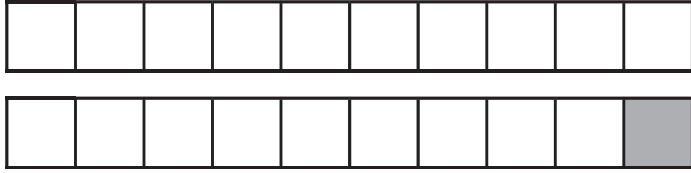
$18 + 2 = 20$

$19 + 1 = 20$



Number Bond Sticks

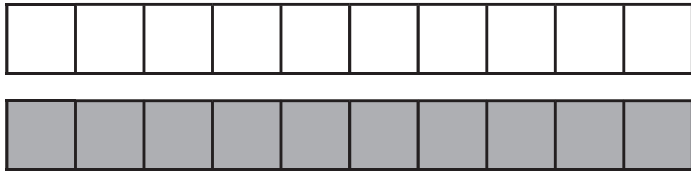
Can you complete these number sentences using number bonds to 20?
The first one has been done for you.



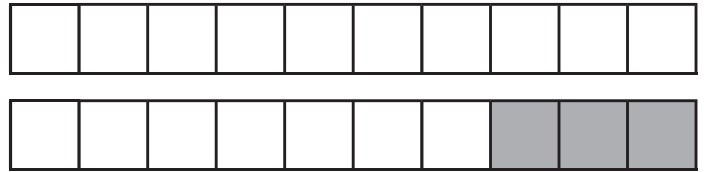
$$\boxed{19} + \boxed{1} = 20$$



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



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



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



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



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



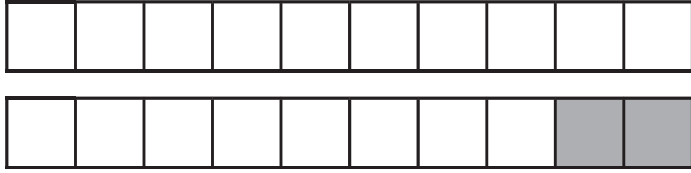
$$\boxed{} + \boxed{} = 20$$



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

Number Bond Sticks

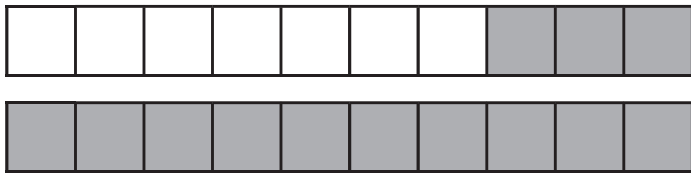
Can you complete these number sentences using number bonds to 20?
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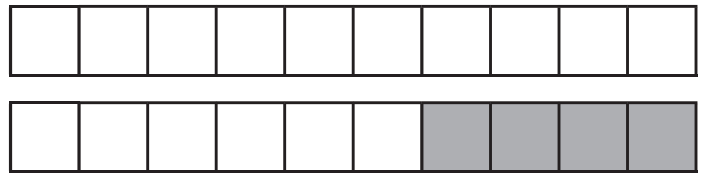
$$\boxed{18} + \boxed{2} = 20$$



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



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



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



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



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



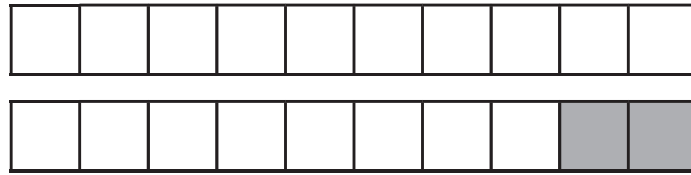
$$\boxed{} + \boxed{} = 20$$



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

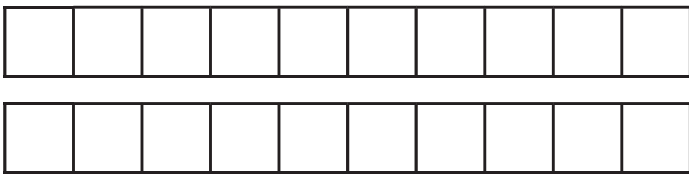
Number Bond Sticks

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



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

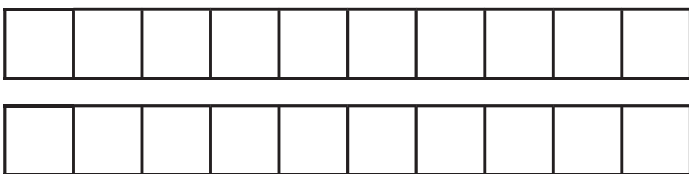
Can you use two colours to make your own sticks with number bonds to 20? Write the matching number sentence below each picture.



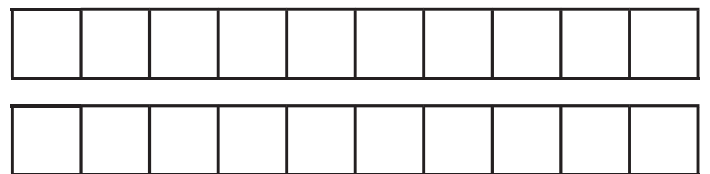
$$\boxed{} + \boxed{} = 20$$



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



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



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



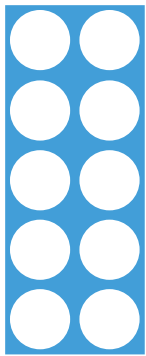
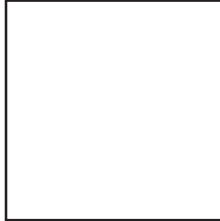
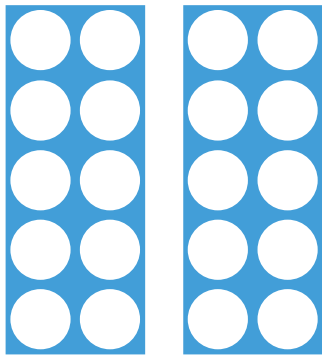
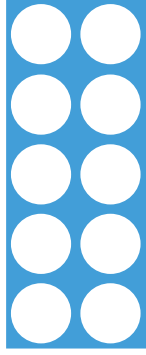
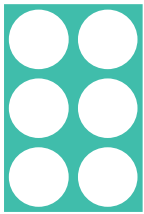

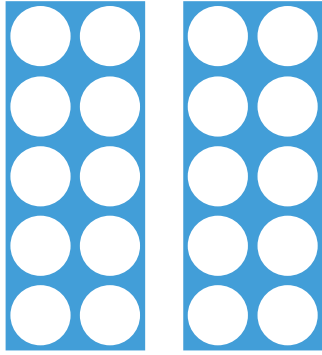
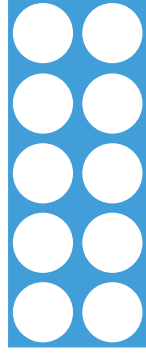
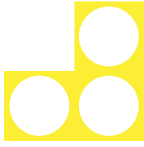
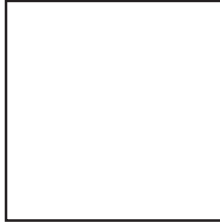
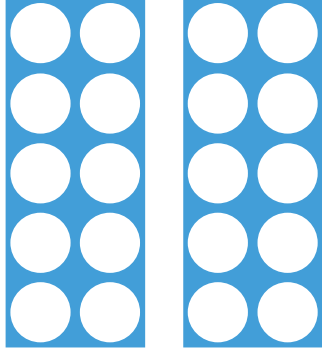
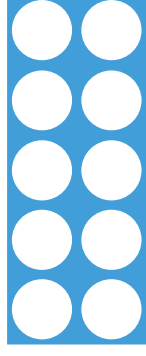
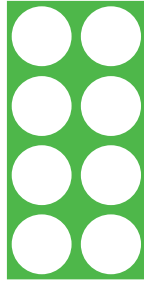

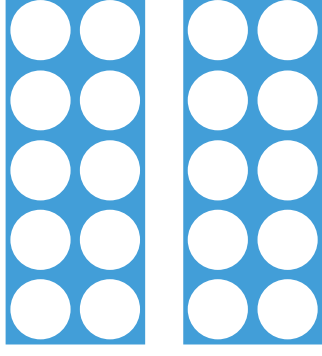
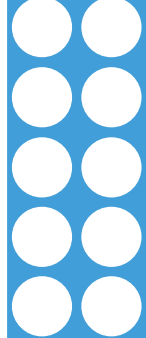
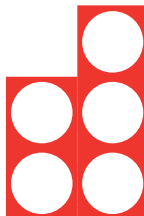
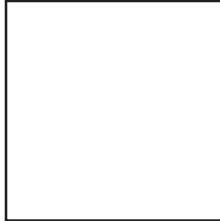
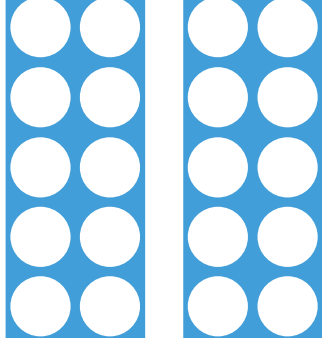
$$\boxed{} + \boxed{} = 20$$



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

Number Shape Number Bonds of 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 box, an equals sign, and two blue tens rods.

A number bond diagram showing an empty square box, a plus sign, 10 blue tens rods, and 7 red ones rods, followed by an equals sign and two blue tens rods.

A number bond diagram showing 10 blue tens rods and 7 purple ones rods, followed by a plus sign and an empty square box, an equals sign, and two blue tens rods.

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

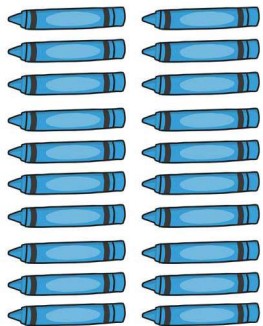
Number Bonds of 20 Worksheet

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

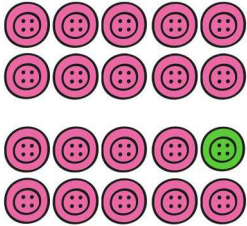
| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 1 | + | 19 | 6 | + | 6 | 2 | 14 |
| 2 | 16 | + | 4 | 0 | 5 | + | 1 |
| + | 10 | + | 10 | + | 6 | 3 | + |
| 3 | 13 | + | 7 | 20 | 2 | + | 18 |
| 15 | + | 18 | 3 | + | 17 | 6 | 8 |
| + | 5 | + | 3 | 2 | + | 20 | 12 |
| 5 | + | 2 | 8 | + | 3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

Number Bonds of 20

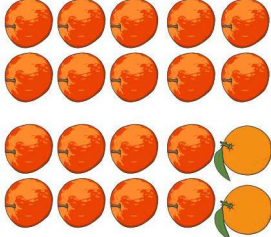
Write the 4 number sentences for each number bonds story.



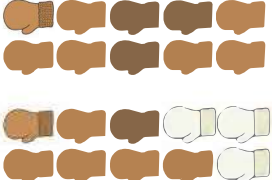
I have 20 crayons.
0 are red but 20 are blue.



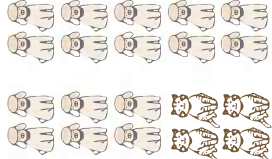
I have 20 buttons.
1 is green and 19 are pink.



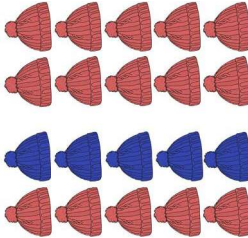
I have 20 pieces of fruit.
There are 2 oranges and 18 apples.



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



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



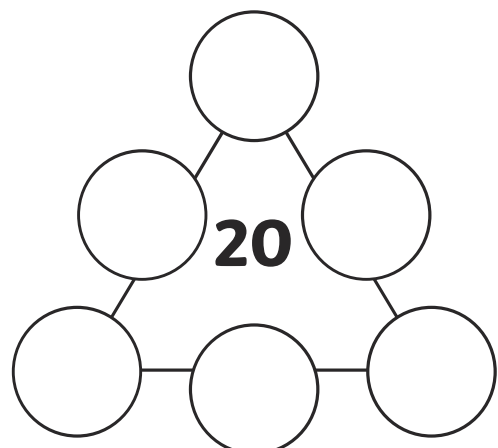
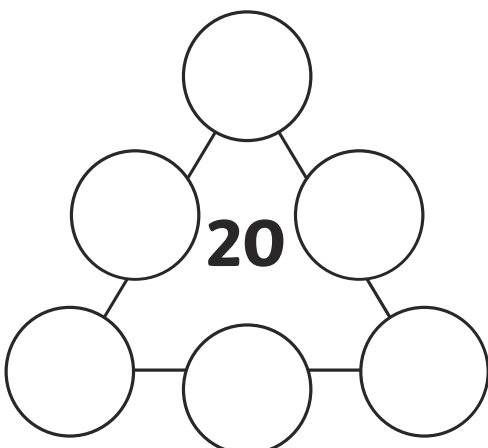
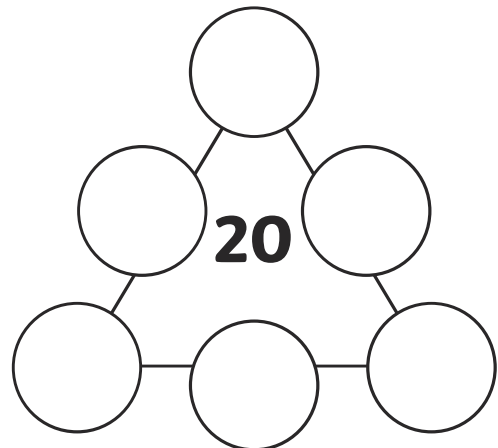
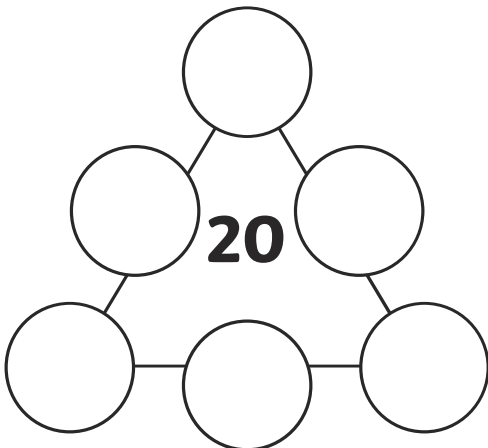
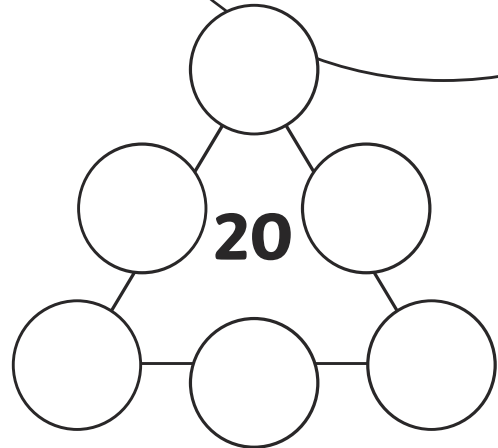
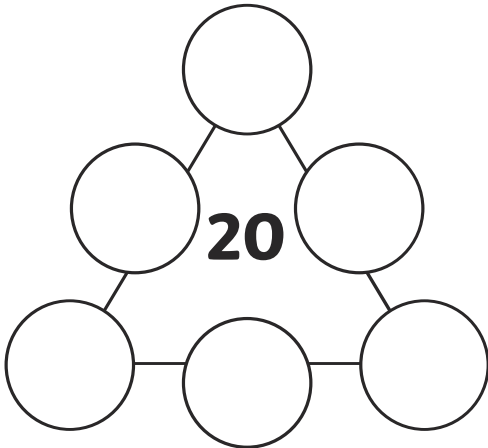
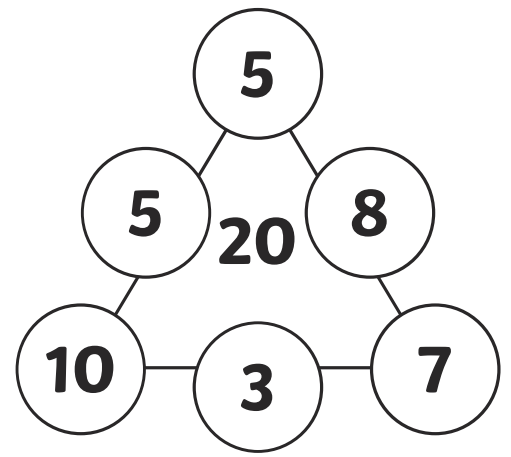
I have 20 hats.
5 are blue and 15 are red.

Triangle Totals

Number Bonds of 20

Can you use your number bond skills to make sure that each side adds up to a total of 20?

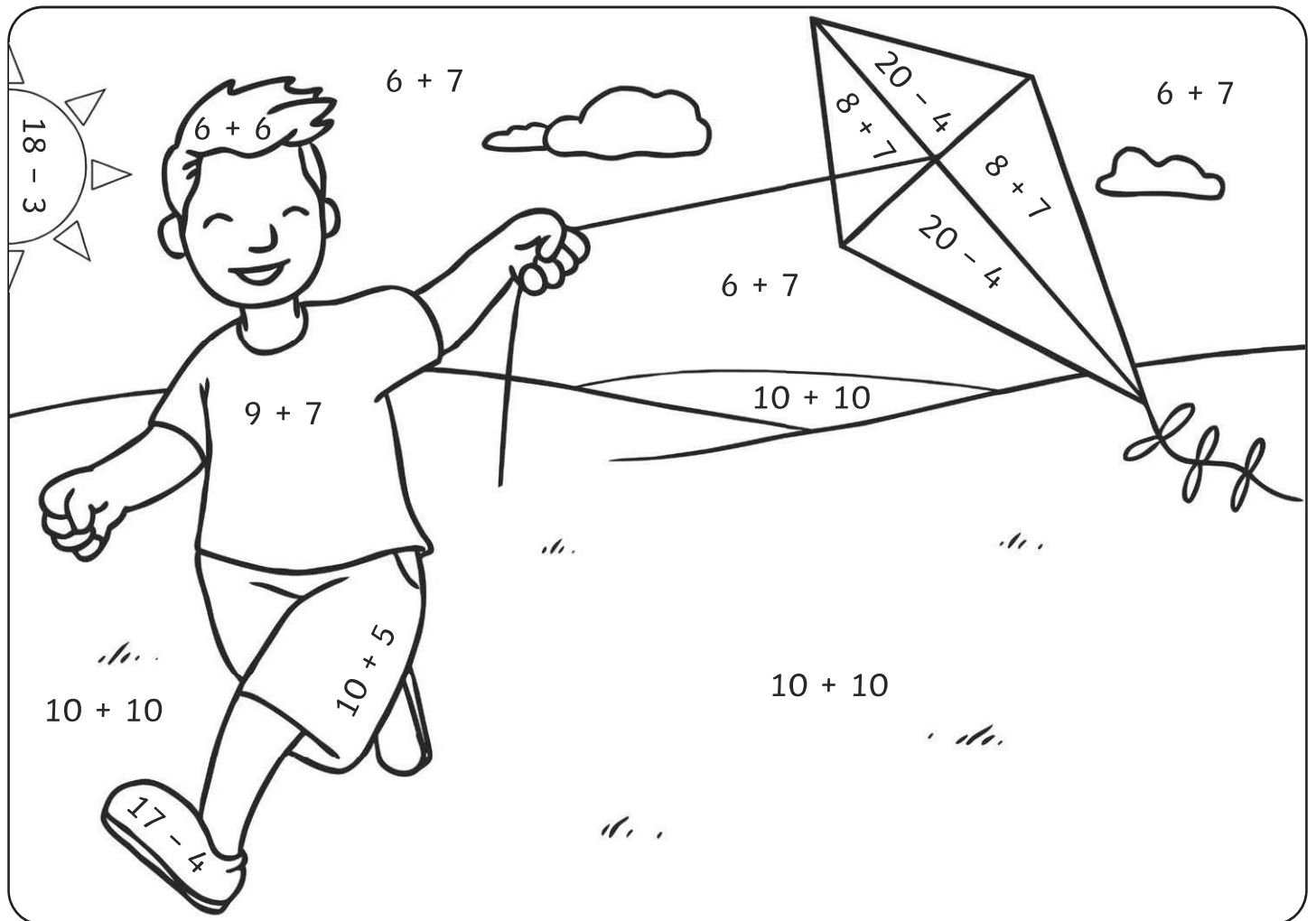
Can you find different ways to make a total of 20?



Addition and Subtraction of 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 |

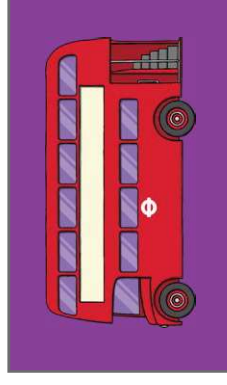
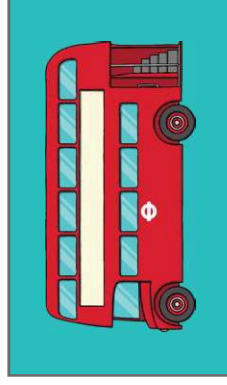
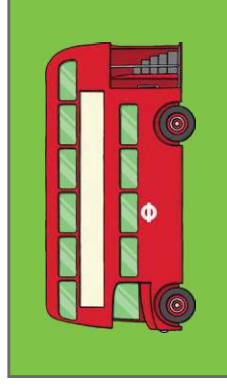
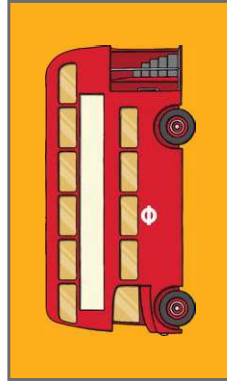
Bonds of 20 Bus Game

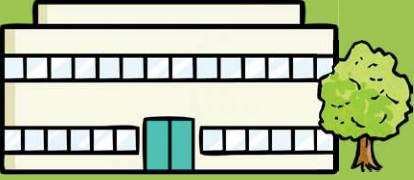
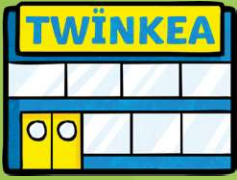

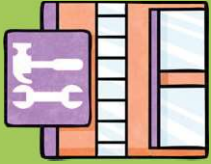




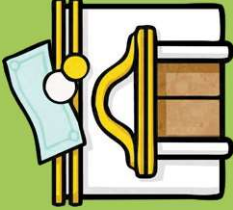

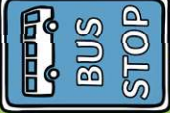
You will need:

- 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 |  | Go back one space. | 14 | 7 | 12 | 1 | 19 | Go back one space. |
|  |  |  | 8 | Go back one space. | 7 | 5 | | |
| 15 | 20 | 6 | 13 | Go back one space. | 7 | 5 | | |
| 0 |  |  | Finish | | | | | |
| 4 | Go back one space. | 12 | 10 | 11 | 9 | | | |