

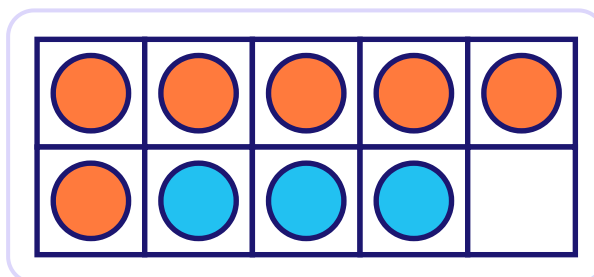
Composing and Decomposing Numbers: math practice, Kindergarten – download the PDF

22 problems graded by difficulty (★ easy, ★★ medium, ★★★ hard). Try first, without looking at the solutions!

1 Counting two colors

★ ★ ★

Look at the ten frame. Count the orange counters and the blue counters.



How many counters are there in all? Write an equation.

2 Ways to break apart 4

★ ★ ★

Break the number 4 into two parts. Do not use zero. Write every way you can find.

3 Fingers on two hands

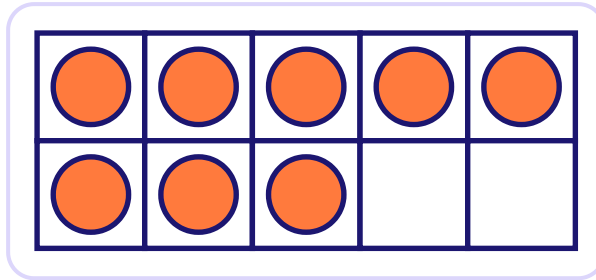
★ ★ ★

Ana shows 5 fingers. Three fingers are on her left hand. How many fingers are on her right hand? Write an equation.

4 How many empty spaces?



This ten frame has 8 counters.



How many more counters fill the frame? Write an equation.

5 Ten and some ones



Mia has one full ten frame and 3 more counters. What number does she show? Write an equation.

6 True or false?



Say whether each equation is true or false.

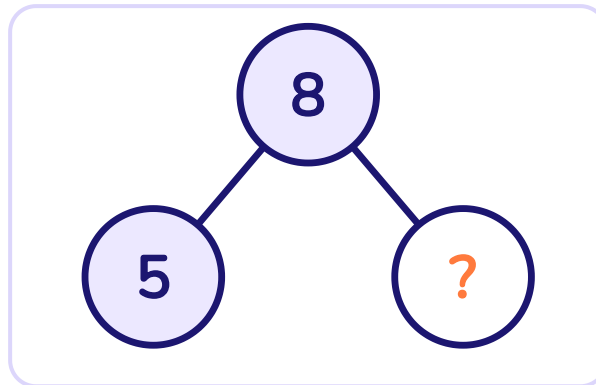
a. $7 = 4 + 3$

b. $9 = 5 + 5$

c. $6 = 2 + 4$

7**Missing part in a bond**

Find the missing number in the number bond.



Write an equation.

8**Pairs that make 10**

Fill in the missing numbers.

a. $3 + \square = 10$

b. $6 + \square = 10$

c. $9 + \square = 10$

d. $5 + \square = 10$

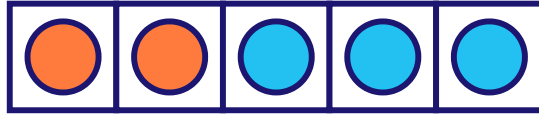
9**Seeds in a garden**

Maya plants 10 seeds in two rows. She plants 6 seeds in the first row. How many seeds does she plant in the second row? Write an equation.

10 Another way to make 5



The picture shows one way to make 5.

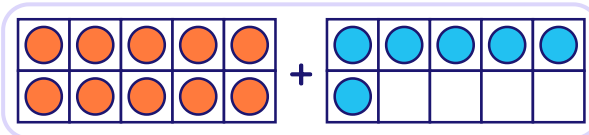


- Write an equation for the picture.
- Write a different way to make 5.

11 Which teen number?



Look at the picture.



- Write an equation.
- What teen number is shown?

12 Muffins in a box



A baker puts 10 muffins in a box. There are 8 more muffins on a plate. How many muffins are there in all?

13 Break apart 15



Break the number 15 into a ten and some ones. Complete: $15 = 10 + \square$.

14 Which one does not belong?



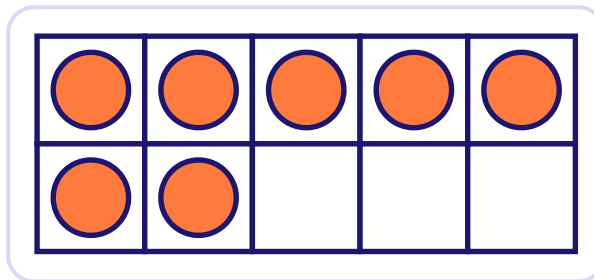
Three of these pairs make 7. One pair does not. Which one?

$3 + 4$ $5 + 2$ $6 + 2$ $1 + 6$

15 Counting up to 14



Dan has 7 counters. He wants to get to 14.



- How many more counters fill the ten frame?
- How many more counters does he add after that to get 14?

16 Mystery teen numbers



Solve the two riddles.

- I am a teen number. When you break me into a ten and some ones, there are 7 extra ones. Who am I?
- I am a full ten frame plus 2 counters and 6 more counters. Who am I?

17 Find the mistake



Leo says: " $13 = 10 + 2$ " and " $9 + 1 = 10$." One of his sentences is wrong. Which one? Fix it.

18 All the ways to make 6

Write every way to break 6 into two parts. Do not use zero. Start with 1 and go up. How many ways are there?

19 Checking decompositions of 12

Which of these equations are true?

a. $12 = 10 + 2$

b. $12 = 7 + 5$

c. $12 = 6 + 5$

20 Toy cars

Sam has 16 toy cars. Ten of them are red and the rest are blue. How many cars are blue? Write an equation.

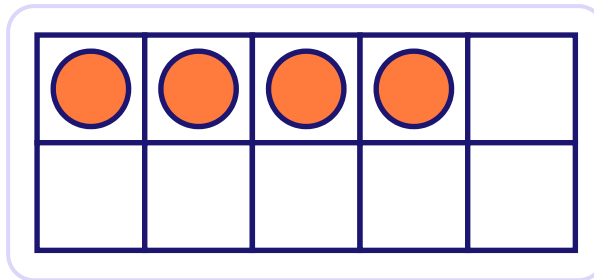
21 Stickers in two pockets

Zoe puts 9 stickers into two pockets. The left pocket has 1 more sticker than the right pocket. How many stickers are in each pocket?

22

Fill the frame, then keep going

A ten frame has 4 counters. Zack wants to show 13 counters.



- How many counters does he add to fill the frame?
- How many counters does he put in the second frame?
- Write an equation for 13.

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6 random questions, instant feedback.

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