LESSON MAKER PRO

Two Equal Shares

Show even numbers with equal addends.

GRADE 2 · 2.OA.C.3.a

2.OA.C.3.a "Write an equation to express an even number as a sum of two equal addends."

NAME _____ DATE _____

THE BIG IDEA

An even number can be split into two equal groups. To show the groups with an equation, write the whole number as the same number added twice.

WORKED EXAMPLE

10 paper stars go into 2 equal bags. Write an equation to show the stars in the bags.

1. Split 10 stars into 2 equal groups.
2. Each bag gets 5 stars.
3. Write 10 = 5 + 5.

Answer: 10 = 5 + 5

PRACTICE 5 problems

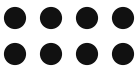
1 4 cookies go on 2 plates, with the same number on each plate. Write an equation to show the cookies.

ANSWER _____

2 6 blocks go in 2 boxes, with the same number in each box. Write an equation to show the blocks.

ANSWER _____

3 The buttons shown are in 2 equal rows. Write an equation to show the total as two equal addends.



ANSWER _____

4 12 shells go in 2 jars, with the same number in each jar. Write an equation to show the shells.

ANSWER _____

5 14 marbles go in 2 bags, with the same number in each bag. Write an equation to show the marbles.

ANSWER _____

APPLY IT Show your work

1 Ava shares 16 trading cards equally with a friend. Write an equation to show how many cards each person gets.

WORK SPACE

ANSWER _____

2 A class puts 18 crayons into 2 cups. Each cup gets the same number. Write an equation to show the crayons in the cups.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Mia has 20 stickers. She writes 20 = 9 + 11 to show 2 equal piles. Write the correct equation. Tell why Mia's equation does not show equal piles.

WORK SPACE AND ANSWER

ANSWER KEY

Two Equal Shares

GRADE 2 · 2.OA.C.3.a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	4 cookies go on 2 plates, with the same number on each plate. Write an equation to show the cookies.	**4 = 2 + 2**
2	6 blocks go in 2 boxes, with the same number in each box. Write an equation to show the blocks.	**6 = 3 + 3**
3	The buttons shown are in 2 equal rows. Write an equation to show the total as two equal addends.	**8 = 4 + 4**
4	12 shells go in 2 jars, with the same number in each jar. Write an equation to show the shells.	**12 = 6 + 6**
5	14 marbles go in 2 bags, with the same number in each bag. Write an equation to show the marbles.	**14 = 7 + 7**

PART 2 · APPLY IT

1. **16 = 8 + 8** Half of 16 is 8, so each person gets 8 cards.
2. **18 = 9 + 9** Half of 18 is 9, so each cup holds 9 crayons.

CHALLENGE

20 = 10 + 10. Mia's piles are not equal because 9 and 11 are different.

Accept equations with the equal addends written before the total, such as 2 + 2 = 4. For the challenge, the explanation must say that 9 and 11 are not equal.