

Equal Addend Pairs

Show even totals with two matching parts.

GRADE 2 • NY-2.OA.3.b

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

NAME _____

DATE _____

TWO EQUAL PARTS

An even number can be split into two equal parts. Write the same addend two times to show the total.

WORKED EXAMPLE

A game shelf has 14 toy cars in 2 equal rows. Write an equation.



1. There are 2 equal rows.
2. Each row has 7 toy cars.
3. Add the two equal parts: $7 + 7$.
4. The total is 14.

Answer: $7 + 7 = 14$

PRACTICE 5 problems

- 1** A toy box has 8 yo-yos. Write an equation with two equal addends.

ANSWER _____

- 2** A sticker book has 12 star stickers. Write an equation with two equal addends.

ANSWER _____

- 3** A basket has 6 apples. Write an equation with two equal addends.

ANSWER _____

- 4** A desk cup has 10 crayons. Write an equation with two equal addends.

ANSWER _____

- 5** A beach bucket has 16 shells. Write an equation with two equal addends.

ANSWER _____

APPLY IT Show your work

- 1** At recess, 18 children make 2 equal jump-rope teams. Write an equation to show the children on the teams.

WORK SPACE

ANSWER _____

- 2** A baker puts 20 mini muffins on 2 equal plates. Write an equation to show the muffins on the plates.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Nora has 15 beads. Can she make 2 equal groups with no beads left over? Explain why or why not.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A toy box has 8 yo-yos. Write an equation with two equal addends.	$4 + 4 = 8$
2	A sticker book has 12 star stickers. Write an equation with two equal addends.	$6 + 6 = 12$
3	A basket has 6 apples. Write an equation with two equal addends.	$3 + 3 = 6$
4	A desk cup has 10 crayons. Write an equation with two equal addends.	$5 + 5 = 10$
5	A beach bucket has 16 shells. Write an equation with two equal addends.	$8 + 8 = 16$

PART 2 • APPLY IT

1. $9 + 9 = 18$ Split 18 children into 2 equal teams. Each team has 9 children.
2. $10 + 10 = 20$ Split 20 muffins into 2 equal plates. Each plate has 10 muffins.

CHALLENGE

No. 15 cannot be written as a sum of two equal whole-number addends.

Accept equations with the equal addends in either order. For the challenge, accept an explanation that 15 is odd or that equal groups would leave 1 bead.