LESSON MAKER PRO

Pair It Up

Find odd and even groups.

GRADE 2 · 2.NR.3.1

2.NR.3.1 "Determine whether a group (up to 20) has an odd or even number of objects. Write an equation to express an even number as a sum of two equal addends."

NAME _____ DATE _____

MAKE EQUAL PAIRS

A number is even when you can make two equal groups with none left over. A number is odd when one object is left over after making two equal groups. For an even number, write an addition equation with the same addend twice.

WORKED EXAMPLE

Lena has 14 stickers. Is 14 odd or even? Write an equation.

1. Split 14 stickers into 2 equal groups.
2. Each group has 7 stickers.
3. Write 7 + 7 = 14.

Answer: 14 is even. 7 + 7 = 14.

PRACTICE 5 problems

1 A toy box has 9 toy cars. Is 9 odd or even?

ANSWER _____

2 Sam has 12 crackers. Is 12 odd or even? Write an equation with two equal addends.

ANSWER _____

3 There are 8 fish in a tank. Is 8 odd or even? Write an equation with two equal addends.

ANSWER _____

4 A jar holds 15 buttons. Is 15 odd or even?

ANSWER _____

5 Kai has 20 building blocks. Is 20 odd or even? Write an equation with two equal addends.

ANSWER _____

APPLY IT Show your work

1 At recess, 16 students want to play a game. They make 2 equal teams. Is 16 odd or even? Write an equation to show the teams.

WORK SPACE

ANSWER _____

2 Zoe has 13 gummy bears. She tries to share them between 2 friends equally. Is 13 odd or even?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Noah says 18 is even because it can be split into 2 equal groups of 9. Is Noah correct? Explain and write an equation.

WORK SPACE AND ANSWER

ANSWER KEY

Pair It Up

GRADE 2 · 2.NR.3.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A toy box has 9 toy cars. Is 9 odd or even?	**9 is odd.**
2	Sam has 12 crackers. Is 12 odd or even? Write an equation with two equal addends.	**12 is even. 6 + 6 = 12.**
3	There are 8 fish in a tank. Is 8 odd or even? Write an equation with two equal addends.	**8 is even. 4 + 4 = 8.**
4	A jar holds 15 buttons. Is 15 odd or even?	**15 is odd.**
5	Kai has 20 building blocks. Is 20 odd or even? Write an equation with two equal addends.	**20 is even. 10 + 10 = 20.**

PART 2 · APPLY IT

1. **16 is even. 8 + 8 = 16.** Split 16 students into 2 equal teams. Each team has 8 students.
2. **13 is odd.** Two equal groups of 6 use 12 gummy bears. One gummy bear is left over.

CHALLENGE

Yes. 18 can be split into 2 equal groups of 9, so it is even. 9 + 9 = 18.

Accept equivalent equal-addend equations for even numbers when both addends are the same and total is correct. For explanation responses, accept language showing two equal groups with no objects left over.