LESSON MAKER PRO

Pair It Up

Find odd and even numbers by making pairs.

GRADE 2 · 2.OA.C.3

CCSS.Math.Content.2.OA.C.3 "Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends."

NAME _____ DATE _____

PAIRS TELL YOU

Pair objects. If every object has a partner, the number is even. An even number can be written as a sum of two equal addends.

WORKED EXAMPLE

There are 12 shells in a bucket. Is 12 odd or even? Write an equation.

1. Make pairs of shells.
2. All 12 shells have a partner.
3. Put the shells into two equal groups of 6.

Answer: Even. 6 + 6 = 12.

PRACTICE 5 problems

1 There are 8 toy cars. Is the number odd or even? Write an equation.

ANSWER _____

2 There are 11 grapes on a plate. Is the number odd or even?

ANSWER _____

3 There are 14 crayons in a box. Is the number odd or even? Write an equation.

ANSWER _____

4 There are 18 buttons on a craft table. Is the number odd or even? Write an equation.

ANSWER _____

5 There are 13 fish cards. Is the number odd or even?

ANSWER _____

APPLY IT Show your work

1 Ava has 10 cookies. She shares them equally with one friend. Is 10 odd or even? Write an equation.

WORK SPACE

ANSWER _____

2 Leo sees 15 soccer balls in the gym. He puts the balls into pairs. Is 15 odd or even?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Mia has 20 stickers. She says 20 is odd because she can make 10 pairs. Is Mia correct? Explain and write an equation.

WORK SPACE AND ANSWER

ANSWER KEY

Pair It Up

GRADE 2 · 2.OA.C.3

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	There are 8 toy cars. Is the number odd or even? Write an equation.	**Even. 4 + 4 = 8.**
2	There are 11 grapes on a plate. Is the number odd or even?	**Odd.**
3	There are 14 crayons in a box. Is the number odd or even? Write an equation.	**Even. 7 + 7 = 14.**
4	There are 18 buttons on a craft table. Is the number odd or even? Write an equation.	**Even. 9 + 9 = 18.**
5	There are 13 fish cards. Is the number odd or even?	**Odd.**

PART 2 · APPLY IT

1. **Even. 5 + 5 = 10.** Split 10 cookies into two equal groups. Each group has 5 cookies.
2. **Odd.** When 15 balls are paired, 1 ball has no partner. A number with one left over is odd.

CHALLENGE

No. 20 is even because every sticker has a partner. 10 + 10 = 20.

Accept equal-addend equations in either order. For odd numbers, accept an explanation that one object is left without a partner.