

Odd Number Groups

Make two equal groups and find the one left over.

GRADE 2 • 2.NS.1.i

2.NS.1.i "Represent odd numbers (up to 50) with concrete objects, using two equal groups with one leftover or two equal addends plus 1."

NAME _____

DATE _____

THE BIG IDEA

An odd number can be split into two equal groups with 1 left over. You can write an odd number as two equal addends plus 1.

WORKED EXAMPLE

Lena has 13 shells. Show two equal groups and 1 leftover.

1. Make 2 equal groups.
2. Put 6 shells in each group.
3. 1 shell is left over.

Answer: $6 + 6 + 1 = 13$

PRACTICE 5 problems

- 1** Sam has 7 toy cars. Write two equal addends plus 1 to show the cars.

ANSWER _____

- 2** Ava has 15 crackers. She makes 2 equal snack piles with 1 cracker left over. Write the addition sentence.

ANSWER _____

- 3** There are 21 stickers. Put them in 2 equal groups with 1 sticker left over. Write the addition sentence.

ANSWER _____

- 4** A pet store has 29 fish. Put the fish in 2 equal tanks with 1 fish left over. Write the addition sentence.

ANSWER _____

- 5** Noah has 45 building blocks. He makes 2 equal towers with 1 block left over. Write the addition sentence.

ANSWER _____

APPLY IT Show your work

- 1** Zoe picks 17 apples in a game. She puts them into 2 equal baskets. One apple does not fit in the equal baskets. How many apples are in each basket?

WORK SPACE

ANSWER _____

- 2** At a birthday party, 33 balloons are shared between 2 equal tables. One balloon is left over. How many balloons are on each table?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Kai has 49 game tokens. Write two equal addends plus 1 to show 49. Then tell how you know 49 is odd.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Sam has 7 toy cars. Write two equal addends plus 1 to show the cars.	$3 + 3 + 1 = 7$
2	Ava has 15 crackers. She makes 2 equal snack piles with 1 cracker left over. Write the addition sentence.	$7 + 7 + 1 = 15$
3	There are 21 stickers. Put them in 2 equal groups with 1 sticker left over. Write the addition sentence.	$10 + 10 + 1 = 21$
4	A pet store has 29 fish. Put the fish in 2 equal tanks with 1 fish left over. Write the addition sentence.	$14 + 14 + 1 = 29$
5	Noah has 45 building blocks. He makes 2 equal towers with 1 block left over. Write the addition sentence.	$22 + 22 + 1 = 45$

PART 2 • APPLY IT

- 8 apples in each basket, with 1 apple left over.** Take away the 1 leftover apple. Split 16 apples into 2 equal baskets, so each basket has 8 apples.
- 16 balloons on each table, with 1 balloon left over.** Take away the 1 leftover balloon. Split 32 balloons into 2 equal groups, so each table has 16 balloons.

CHALLENGE

$24 + 24 + 1 = 49$. It is odd because 2 equal groups of 24 have 1 token left over.

Accept equivalent wording that names two equal groups and 1 leftover. Addition sentences should use two matching addends plus 1.