LESSON MAKER PRO

# What About the Leftovers?

*Use division to make answers fit the story.*

**GRADE 4 · 4.AT.A.4.b**

**4.AT.A.4.b** "Assess the reasonableness of answers in terms of context, including interpreting remainders."

NAME _____ DATE _____

## THE BIG IDEA

Divide to find how many full groups you can make and how many are left over. Then use the story to decide what the leftover means. You may need another group, or you may have items left after making all the full groups you can.

## WORKED EXAMPLE

There are 43 crayons. Each box holds 8 crayons. How many boxes are needed to hold them all?

1. 43 / 8 = 5 R3.
2. Five boxes hold 40 crayons, with 3 crayons left.
3. The 3 crayons need one more box, so 5 + 1 = 6.

**Answer: 6 boxes**

## PRACTICE 6 problems

**1** A camp has 31 kids. Each canoe holds 4 kids. How many canoes are needed for every kid to ride?

**ANSWER** _____

**2** A club has 52 beads. Each bracelet needs 10 beads. How many complete bracelets can the club make, and how many beads will be left?

**ANSWER** _____

**3** A teacher has 67 pencils. Each cup holds 12 pencils. How many cups are needed to hold all the pencils?

**ANSWER** _____

**4** A prize costs 15 tickets. You have 73 tickets. How many prizes can you get, and how many tickets will you have left?

**ANSWER** _____

**5** You have 94 pages left in a book. You read up to 20 pages each day. How many days will it take to finish?

**ANSWER** _____

**6** A teacher shares 118 mini erasers equally among 16 students. How many erasers does each student get, and how many are left?

**ANSWER** _____

## APPLY IT Show your work

**1** At a laser tag party, 79 kids each want one turn. Each game has room for 14 kids. How many games must run so every kid gets a turn? How many kids play in the last game?

WORK SPACE

**ANSWER** _____

**2** At a school fair, a class earns 143 points. Each prize costs 18 points. How many prizes can the class get, and how many points will be left?

WORK SPACE

**ANSWER** _____

## CHALLENGE One step up

A field trip has 89 students. Each van has 12 seats, but a driver and a teacher must ride in every van and each takes one seat. How many vans are needed? Explain how you know.

WORK SPACE AND ANSWER

**ANSWER KEY**

# What About the Leftovers?

**GRADE 4 · 4.AT.A.4.b**

## PART 1 · PRACTICE

| # | PROBLEM | ANSWER |
|---|---|---|
| 1 | A camp has 31 kids. Each canoe holds 4 kids. How many canoes are needed for every kid to ride? | **8 canoes** |
| 2 | A club has 52 beads. Each bracelet needs 10 beads. How many complete bracelets can the club make, and how many beads will be left? | **5 bracelets and 2 beads left** |
| 3 | A teacher has 67 pencils. Each cup holds 12 pencils. How many cups are needed to hold all the pencils? | **6 cups** |
| 4 | A prize costs 15 tickets. You have 73 tickets. How many prizes can you get, and how many tickets will you have left? | **4 prizes and 13 tickets left** |
| 5 | You have 94 pages left in a book. You read up to 20 pages each day. How many days will it take to finish? | **5 days** |
| 6 | A teacher shares 118 mini erasers equally among 16 students. How many erasers does each student get, and how many are left? | **7 erasers each and 6 erasers left** |

## PART 2 · APPLY IT

1. **6 games; 9 kids in the last game** Five games hold 70 kids. The 9 kids left need a sixth game.
2. **7 prizes and 17 points left** Seven prizes cost 126 points, leaving 17. That is not enough for another prize.

## CHALLENGE

**9 vans. Each van has room for 10 students after the driver and teacher take their seats. Eight vans hold 80 students, so the 9 students left need one more van.**

Accept division equations with remainders or multiplication used to check the counts. For the challenge, the explanation must account for the driver and teacher in every van.