LESSON MAKER PRO

# Divide Two Ways

*Use multiplication facts and easy-to-divide parts.*

**GRADE 4 · 4.NOS.B.6.c**

**4.NOS.B.6.c** "Use properties of operations and/or the inverse relationship between multiplication and division to divide."

NAME _____ DATE _____

## TWO WAYS TO DIVIDE

To divide, think of the multiplication fact that gives the total. You can also break the total into parts that are easy to divide, divide each part by the same number, and add the results.

## WORKED EXAMPLE

Find 96 / 6 by breaking 96 into easy-to-divide parts.

1. Break apart the total: 96 = 60 + 36.
2. Divide the first part: 60 / 6 = 10.
3. Divide the second part: 36 / 6 = 6.
4. Add the results: 10 + 6 = 16.

**Answer: 96 / 6 = 16**

## PRACTICE 6 problems

**1** Find 75 / 3. Write a multiplication fact that checks your answer.

**ANSWER** _____

**2** Find 115 / 5 by thinking about 5 × ___ = 115.

**ANSWER** _____

**3** Break 119 into 70 + 49 to find 119 / 7.

**ANSWER** _____

**4** Find 104 / 8 by splitting 104 into 80 + 24.

**ANSWER** _____

**5** Use a multiplication fact to find 135 / 9.

**ANSWER** _____

**6** Find 78 / 2. Show how you split 78 into two parts that are easy to divide by 2.

**ANSWER** _____

## APPLY IT Show your work

**1** At a game club, 168 stickers are shared equally among 7 players. How many stickers does each player get? Write a multiplication fact to check.

WORK SPACE

**ANSWER** _____

**2** At a school fair, 144 game tokens are packed equally into 8 prize bags. How many tokens go in each bag? Split 144 into 80 + 64 to solve.

WORK SPACE

**ANSWER** _____

## CHALLENGE One step up

A club shares 294 beads equally among 7 groups. One student breaks 294 into 280 + 14. Another breaks it into 210 + 84. Will both ways give the same number of beads per group? Show the division for each split.

WORK SPACE AND ANSWER

**ANSWER KEY**

# Divide Two Ways

**GRADE 4 · 4.NOS.B.6.c**

## PART 1 · PRACTICE

| # | PROBLEM | ANSWER |
|---|---|---|
| 1 | Find 75 / 3. Write a multiplication fact that checks your answer. | **25; 3 × 25 = 75** |
| 2 | Find 115 / 5 by thinking about 5 × ___ = 115. | **23** |
| 3 | Break 119 into 70 + 49 to find 119 / 7. | **17** |
| 4 | Find 104 / 8 by splitting 104 into 80 + 24. | **13** |
| 5 | Use a multiplication fact to find 135 / 9. | **15** |
| 6 | Find 78 / 2. Show how you split 78 into two parts that are easy to divide by 2. | **39; for example, 78 = 40 + 38, and 40 / 2 + 38 / 2 = 20 + 19 = 39** |

## PART 2 · APPLY IT

1. **24 stickers; 7 × 24 = 168** Divide 168 by 7 to get 24. Multiplying 7 × 24 confirms the total is 168.
2. **18 tokens** Divide each part by 8: 80 / 8 = 10 and 64 / 8 = 8. Add 10 + 8 to get 18.

## CHALLENGE

**Yes. 280 / 7 + 14 / 7 = 40 + 2 = 42, and 210 / 7 + 84 / 7 = 30 + 12 = 42 beads per group.**

Accept other correct multiplication facts for checks and other valid splits when a split is not specified.