LESSON MAKER PRO

Division Two Ways

Find the missing number in equal groups.

GRADE 3 · 3.NOS.B.3

3.NOS.B.3 "Represent and interpret whole-number quotients (0-10) as dividing an amount into known number of groups (partitive) or as dividing an amount into groups of known size (quotative). Explain the relationship between the quotient, divisor..."

NAME _____ DATE _____

WHAT DOES THE ANSWER TELL YOU?

When you divide a total into a known number of equal groups, the answer tells how many are in each group. When you make groups of a known size, the answer tells how many groups you can make. You can check either answer by multiplying the number of groups by the number in each group.

WORKED EXAMPLE

Share 27 stickers equally among 9 notebooks. How many stickers go on each notebook?

1. Write 27 ÷ 9 = ___.
2. Think: 9 groups of 3 make 27.
3. So 27 ÷ 9 = 3.

Answer: 3 stickers per notebook

PRACTICE 6 problems

1 Share 12 markers equally between 2 students. How many markers does each student get?

ANSWER _____

2 You have 20 beads and use 5 beads for each bracelet. How many bracelets can you make?

ANSWER _____

3 Put 16 grapes equally on 4 plates. How many grapes go on each plate?

ANSWER _____

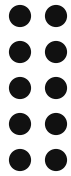
4 Put 30 cards into piles of 6 cards each. How many piles will you make?

ANSWER _____

5 Share 0 pencils equally among 5 students. How many pencils does each student get?

ANSWER _____

6 The dots are in equal rows. Each row has 2 dots. How many rows are there? Complete: 10 ÷ 2 = ___.



ANSWER _____

APPLY IT Show your work

1 Eight friends share 32 trading cards equally. How many cards does each friend get?

WORK SPACE

ANSWER _____

2 At a game club, students stack 48 blocks into towers of 6 blocks each. How many towers can they build?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A club has 40 stickers and considers two plans. Plan A shares them equally among 5 friends. Plan B puts 5 stickers on each page. Find the answer for each plan. Explain how the total, the known number, and your answers are related.

WORK SPACE AND ANSWER

ANSWER KEY

Division Two Ways

GRADE 3 · 3.NOS.B.3

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Share 12 markers equally between 2 students. How many markers does each student get?	**6 markers**
2	You have 20 beads and use 5 beads for each bracelet. How many bracelets can you make?	**4 bracelets**
3	Put 16 grapes equally on 4 plates. How many grapes go on each plate?	**4 grapes**
4	Put 30 cards into piles of 6 cards each. How many piles will you make?	**5 piles**
5	Share 0 pencils equally among 5 students. How many pencils does each student get?	**0 pencils**
6	The dots are in equal rows. Each row has 2 dots. How many rows are there? Complete: 10 ÷ 2 = ___.	**5 rows**

PART 2 · APPLY IT

1. **4 cards per friend** Divide 32 by 8. Each friend gets 4 cards because 8 groups of 4 make 32.
2. **8 towers** Divide 48 by 6. They can build 8 towers because 8 groups of 6 make 48.

CHALLENGE

Plan A: 8 stickers per friend. Plan B: 8 pages. In both plans, 40 ÷ 5 = 8 because 5 groups of 8 and 8 groups of 5 both make 40.

Accept equivalent explanations that correctly identify what the quotient counts. In the challenge, both plans use all 40 stickers, but the quotient names a different thing in each plan.