LESSON MAKER PRO

Fact Family Finds

Use multiplication to solve division problems.

GRADE 3 · 3.N.2.7

3.N.2.7 "Apply the relationship between multiplication and division to represent and solve problems."

NAME _____ DATE _____

THE BIG IDEA

Multiplication and division are related. When you know a total and the size of each equal group, use a multiplication fact to find how many groups there are.

WORKED EXAMPLE

There are 36 marbles. Each bag holds 9 marbles. How many bags are needed?

1. Think: ___ × 9 = 36.
2. Since 4 × 9 = 36, write 36 / 9 = 4.

Answer: 4 bags

PRACTICE 6 problems

1 6 × 7 = 42. Find 42 / 7 = ___.

ANSWER _____

2 5 × 8 = 40. Find 40 / 5 = ___.

ANSWER _____

3 Write a multiplication fact that helps you find 56 / 7. Then write the quotient.

ANSWER _____

4 Find 35 / 5 = ___.

ANSWER _____

5 Write both division equations for 6 × 8 = 48.

ANSWER _____

6 Fill in the missing number: 70 / ___ = 10. Write a multiplication fact to check.

ANSWER _____

APPLY IT Show your work

1 Eight friends share 64 trading cards equally. How many cards does each friend get?

WORK SPACE

ANSWER _____

2 A game club has 60 tokens. Each prize costs 10 tokens. How many prizes can the club buy?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game club puts 100 stickers into packets with 10 stickers in each packet. Then it shares the packets equally between 2 teams. How many packets does each team get? Write two division equations to show your steps.

WORK SPACE AND ANSWER

ANSWER KEY

Fact Family Finds

GRADE 3 · 3.N.2.7

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	6 × 7 = 42. Find 42 / 7 = ___.	**6**
2	5 × 8 = 40. Find 40 / 5 = ___.	**8**
3	Write a multiplication fact that helps you find 56 / 7. Then write the quotient.	**7 × 8 = 56; 56 / 7 = 8**
4	Find 35 / 5 = ___.	**7**
5	Write both division equations for 6 × 8 = 48.	**48 / 6 = 8; 48 / 8 = 6**
6	Fill in the missing number: 70 / ___ = 10. Write a multiplication fact to check.	**7; 7 × 10 = 70**

PART 2 · APPLY IT

1. **8 cards** Since 8 × 8 = 64, each friend gets 64 / 8 = 8 cards.
2. **6 prizes** Since 6 × 10 = 60, the club can buy 60 / 10 = 6 prizes.

CHALLENGE

5 packets per team; 100 / 10 = 10 and 10 / 2 = 5

Accept multiplication facts with the factors in either order. In the challenge, students must divide the stickers into packets before sharing the packets between teams.