LESSON MAKER PRO

Fact Family Finders

Use multiplication facts to solve division problems.

GRADE 3 · TEKS 3.4.J

3.4.J "determine a quotient using the relationship between multiplication and division; and"

NAME _____ DATE _____

MULTIPLY TO DIVIDE

Division asks you to find a missing number in a related multiplication fact. To find a quotient, use this rule: divisor x quotient = dividend.

WORKED EXAMPLE

54 / 6 = ___

1. Think: 6 x __ = 54.
2. 6 x 9 = 54.
3. So the missing number is 9.

Answer: 54 / 6 = 9

PRACTICE 6 problems

1 32 / 4 = __

ANSWER _____

2 __ x 7 = 35

ANSWER _____

3 24 / 3 = __

ANSWER _____

4 5 x __ = 25

ANSWER _____

5 28 / 4 = __

ANSWER _____

6 16 / 2 = __

ANSWER _____

APPLY IT Show your work

1 A gaming club puts 40 prize tickets equally into 5 envelopes. How many tickets are in each envelope?

WORK SPACE

ANSWER _____

2 At recess, 21 students form 3 equal kickball teams. How many students are on each team?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Forty-eight new comic books are divided equally among 3 reading groups. Each group then shares its books equally between 2 tables. How many comic books are at each table? Write a multiplication equation to check.

WORK SPACE AND ANSWER

ANSWER KEY

Fact Family Finders

GRADE 3 · TEKS 3.4.J

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	32 / 4 = __	**8**
2	__ x 7 = 35	**5**
3	24 / 3 = __	**8**
4	5 x __ = 25	**5**
5	28 / 4 = __	**7**
6	16 / 2 = __	**8**

PART 2 · APPLY IT

1. **8 tickets** Use the related fact 5 x 8 = 40. Each envelope has 8 tickets.
2. **7 students** Use the related fact 3 x 7 = 21. Each team has 7 students.

CHALLENGE

8 comic books; 3 x 2 x 8 = 48

Accept a correct related multiplication equation as the check for the challenge. For number-only problems, accept the numeral or the numeral written as a word.