

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

$$54 \div 6 = \underline{\quad}$$

1. Think: $6 \times \underline{\quad} = 54$.

2. $6 \times 9 = 54$.

3. So the missing number is 9.

Answer: $54 \div 6 = 9$

PRACTICE 6 problems

1 $32 \div 4 = \underline{\quad}$

ANSWER _____

2 $\underline{\quad} \times 7 = 35$

ANSWER _____

3 $24 \div 3 = \underline{\quad}$

ANSWER _____

4 $5 \times \underline{\quad} = 25$

ANSWER _____

5 $28 \div 4 = \underline{\quad}$

ANSWER _____

6 $16 \div 2 = \underline{\quad}$

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

CHALLENGE

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.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	$32 \div 4 = \underline{\quad}$	8
2	$\underline{\quad} \times 7 = 35$	5
3	$24 \div 3 = \underline{\quad}$	8
4	$5 \times \underline{\quad} = 25$	5
5	$28 \div 4 = \underline{\quad}$	7
6	$16 \div 2 = \underline{\quad}$	8

PART 2 • APPLY IT

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

CHALLENGE

8 comic books; $3 \times 2 \times 8 = 48$

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.