

Fact Family Power

Use multiplication facts to solve division facts.

GRADE 3 • 3.OA.C.7

CCSS.Math.Content.3.OA.C.7 "Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division (e.g., knowing that $8 \times 5 = 40$, one knows $40 \div 5 = 8$) or properties of operations. By the end of Grade 3..."

NAME _____

DATE _____

USE RELATED FACTS

If you know a multiplication fact, use it to solve a related division fact. Multiplication finds a total in equal groups, and division splits a total into equal groups.

WORKED EXAMPLE

$$48 \div 6 = \underline{\quad}$$

1. Find a multiplication fact with 6 that equals 48.
2. $6 \times 8 = 48$.
3. Therefore, $48 \div 6 = 8$.

Answer: 8

PRACTICE 6 problems

1 $7 \times 4 = \underline{\quad}$

ANSWER _____

2 $45 \div 5 = \underline{\quad}$

ANSWER _____

3 $3 \times 9 = \underline{\quad}$

ANSWER _____

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

ANSWER _____

5 $35 \div 5 = \underline{\quad}$

ANSWER _____

6 $9 \times 5 = \underline{\quad}$

ANSWER _____

APPLY IT Show your work

- 1** A game club sets up 7 tables. Each table has 5 score sheets. How many score sheets are there altogether?

WORK SPACE

ANSWER _____

- 2** Kai has 45 trading cards. He puts 5 cards in each binder page. How many binder pages does he fill?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A game club has 7 tables. Each table needs 5 score sheets. The club has 49 score sheets. After putting 5 sheets at each table, how many sheets are left? Explain your reasoning with equations.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	$7 \times 4 = \underline{\quad}$	28
2	$45 \div 5 = \underline{\quad}$	9
3	$3 \times 9 = \underline{\quad}$	27
4	$4 \times 4 = \underline{\quad}$	16
5	$35 \div 5 = \underline{\quad}$	7
6	$9 \times 5 = \underline{\quad}$	45

PART 2 • APPLY IT

1. **35 score sheets** Multiply the number of tables by the score sheets at each table. $7 \times 5 = 35$.
2. **9 binder pages** Divide the total number of cards by the cards on each page. $45 \div 5 = 9$.

CHALLENGE

14 score sheets are left. $7 \times 5 = 35$, and $49 - 35 = 14$.

Accept correct related multiplication or division equations as reasoning. For the challenge, accept any clear explanation that shows 35 sheets are used and 14 are left.