LESSON MAKER PRO

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 × 5 = 40, one knows 40 ÷ 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 / 6 = ____

1. Find a multiplication fact with 6 that equals 48.
2. 6 x 8 = 48.
3. Therefore, 48 / 6 = 8.

Answer: 8

PRACTICE 6 problems

1 7 x 4 = ___

ANSWER _____

2 45 / 5 = ___

ANSWER _____

3 3 x 9 = ___

ANSWER _____

4 4 x 4 = ___

ANSWER _____

5 35 / 5 = ___

ANSWER _____

6 9 x 5 = ___

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

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.

WORK SPACE AND ANSWER

ANSWER KEY

Fact Family Power

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	7 x 4 = ___	**28**
2	45 / 5 = ___	**9**
3	3 x 9 = ___	**27**
4	4 x 4 = ___	**16**
5	35 / 5 = ___	**7**
6	9 x 5 = ___	**45**

PART 2 · APPLY IT

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

CHALLENGE

14 score sheets are left. 7 x 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.