

Fact Power

Use multiplication facts to solve multiplication and division.

GRADE 4 • 4.CE.2.b

4.CE.2.b "Recall with automaticity the multiplication facts through 12×12 and the corresponding division facts.*"

NAME _____

DATE _____

RELATED FACTS

Use a multiplication fact to find a related division fact. If you know $a \times b = \text{total}$, then $\text{total} \div a = b$ and $\text{total} \div b = a$.

WORKED EXAMPLE

$$56 \div 7 = \underline{\quad}$$

1. Think of the related multiplication fact.

2. $7 \times 8 = 56$.

3. So $56 \div 7 = 8$.

Answer: 8

PRACTICE 6 problems

1 $9 \times 6 = \underline{\quad}$

ANSWER _____

2 $12 \times 4 = \underline{\quad}$

ANSWER _____

3 $45 \div 5 = \underline{\quad}$

ANSWER _____

4 $66 \div 6 = \underline{\quad}$

ANSWER _____

5 $3 \times 11 = \underline{\quad}$

ANSWER _____

6 $72 \div 9 = \underline{\quad}$

ANSWER _____

APPLY IT Show your work

- 1** Jordan is making a display with 11 rows of 6 trading cards. How many trading cards are in the display?

WORK SPACE

ANSWER _____

- 2** At a game club, 108 game tokens are shared equally among 9 players. How many tokens does each player get?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

The school store has 5 boxes of 12 glow-in-the-dark pencils. It puts all the pencils into packs of 6. How many packs can the store make?

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	$9 \times 6 = \underline{\quad}$	54
2	$12 \times 4 = \underline{\quad}$	48
3	$45 \div 5 = \underline{\quad}$	9
4	$66 \div 6 = \underline{\quad}$	11
5	$3 \times 11 = \underline{\quad}$	33
6	$72 \div 9 = \underline{\quad}$	8

PART 2 • APPLY IT

1. **66 trading cards** Multiply the number of rows by the number of cards in each row. $11 \times 6 = 66$.
2. **12 tokens** Divide the total number of tokens by the number of players. $108 \div 9 = 12$.

CHALLENGE

10 packs

Accept answers written as numerals or words when the value is correct. For word problems, accept the correct number with or without the labeled unit.