LESSON MAKER PRO

Missing Number Missions

Use multiplication to find what is missing.

GRADE 3 · 3.A.2.1

3.A.2.1 "Use number sense with the properties of addition, subtraction, and multiplication, to find unknowns (represented by symbols) in one-step equations. Generate real-world situations to represent number sentences."

NAME _____ DATE _____

FIND THE MISSING FACTOR

A blank in a multiplication equation stands for a missing number. Think of a multiplication fact that makes the equation true, then check your answer.

WORKED EXAMPLE

$3 \times ____ = 27$

1. Think: 3 times what number is 27?
2. Use the fact $3 \times 9 = 27$.
3. Write 9 in the blank.

Answer: 9

PRACTICE 6 problems

1 $2 \times ___ = 12$

ANSWER _____

2 $___ \times 5 = 40$

ANSWER _____

3 $6 \times ___ = 42$

ANSWER _____

4 $___ \times 8 = 32$

ANSWER _____

5 $10 \times ___ = 50$

ANSWER _____

6 $___ \times 7 = 14$

ANSWER _____

APPLY IT Show your work

1 For a classroom card game, each team gets 6 cards. The teacher has 48 cards in all. How many teams can get cards? Write a multiplication equation with ___, then solve.

WORK SPACE

ANSWER _____

2 A craft club fills 5 bags with an equal number of stickers. They use 30 stickers in all. How many stickers go in each bag? Write a multiplication equation with ___, then solve.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Write a real-world story that matches 4 × ___ = 24. Then find the blank and explain how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Missing Number Missions

GRADE 3 · 3.A.2.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	2 × ___ = 12	**6**
2	___ × 5 = 40	**8**
3	6 × ___ = 42	**7**
4	___ × 8 = 32	**4**
5	10 × ___ = 50	**5**
6	___ × 7 = 14	**2**

PART 2 · APPLY IT

1. **6 × ___ = 48; 8 teams** Since 6 × 8 = 48, the cards are enough for 8 teams.
2. **5 × ___ = 30; 6 stickers per bag** Since 5 × 6 = 30, each bag holds 6 stickers.

CHALLENGE

Each player gets 4 game tokens. A group gets 24 tokens in all. There are 6 players because 4 × 6 = 24.

Accept equations with the factors in either order when they match the story. For the challenge, accept either 4 groups of 6 or 6 groups of 4, with 24 in all and a clear explanation that the missing factor is 6.