LESSON MAKER PRO

Find the Missing Number

Use multiplication and division to fill each blank.

GRADE 3 · 3.OA.4

3.OA.4 "Determine the unknown whole number in a multiplication or division equation relating three whole numbers, with factors 0-10. For example, determine the unknown number that makes the equation true in each of the equations 8 × ? = 48..."

NAME _____ DATE _____

THE BIG IDEA

A blank stands for a missing whole number. Use a related multiplication or division fact to find it, then put your number in the blank to check.

WORKED EXAMPLE

$7 \times ____ = 49$

1. Use division to find the missing factor.
2. $49 \div 7 = 7$.
3. Check: $7 \times 7 = 49$.

Answer: 7

PRACTICE 6 problems

1 $3 \times ___ = 18$

ANSWER _____

2 $___ \times 8 = 32$

ANSWER _____

3 $24 \div ___ = 6$

ANSWER _____

4 $___ \div 2 = 10$

ANSWER _____

5 $___ \times 10 = 0$

ANSWER _____

6 $4 = ___ \div 3$

ANSWER _____

APPLY IT Show your work

1 In a video game, Mina earns 6 points for each star she collects. She earns 48 points from stars. How many stars did she collect? Write an equation with ___, then solve.

WORK SPACE

ANSWER _____

2 A class puts 30 mini erasers into party bags. Each bag gets 3 erasers. How many bags do they fill? Write an equation with ___, then solve.

WORK SPACE

ANSWER _____

CHALLENGE One step up

The same number fills both blanks: 3 × ___ = 27 and 36 ÷ ___ = 4. What is the number? Explain how you know using both equations.

WORK SPACE AND ANSWER

ANSWER KEY

Find the Missing Number

GRADE 3 · 3.OA.4

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	3 × ___ = 18	**6**
2	___ × 8 = 32	**4**
3	24 ÷ ___ = 6	**4**
4	___ ÷ 2 = 10	**20**
5	___ × 10 = 0	**0**
6	4 = ___ ÷ 3	**12**

PART 2 · APPLY IT

1. **6 × ___ = 48; 8 stars** Divide 48 by 6 to find 8 stars.
2. **30 ÷ 3 = ___; 10 bags** Divide 30 by 3 to find 10 bags.

CHALLENGE

9. Since 3 × 9 = 27 and 36 ÷ 9 = 4, 9 fits both blanks.

For the word problems, accept any correct multiplication or division equation with a blank in place of the unknown. For the challenge, the explanation must check 9 in both equations.