ALBERT

Name _____ Date _____

# Missing Factors Worksheet

Grade 3 · Common Core 3.OA.A.4

> Determine the unknown whole number in a multiplication or division equation relating three whole numbers.

## Practice

Builds the skill step by step.

1. Find the unknown number: $8 \times \square = 48$

2. Find the unknown number: $\square \times 3 = 15$

3. Find the unknown number: $20 \div \square = 4$

4. Find the unknown number: $6 \times 6 = \square$

5. Which number makes $7 \times \square = 42$ true?

   A. 5

   B. 6

   C. 7

   D. 35

6. Find the unknown number: $\square \div 2 = 9$

7. Find the unknown number: $4 \times \square = 36$

8. Which equation is true when $\square = 4$?

   A. $\square \times 5 = 25$

   B. $\square + 3 = 12$

   C. $\square \times 5 = 20$

   D. $24 \div \square = 8$

9. Find the unknown number: $27 \div 3 = \square$

10. Find the unknown number: $\square \times 10 = 70$

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## On Level

Grade-level practice.

1. Find the unknown number: 5 = □ ÷ 3

2. Find the unknown number: 9 × □ = 54

3. Find the unknown number: □ = 56 ÷ 7

4. Find the unknown number: 64 ÷ □ = 8

5. In which equation is the unknown number 7?

   A. □ × 6 = 42

   B. □ × 6 = 48

   C. 30 ÷ □ = 5

   D. □ ÷ 2 = 7

6. Find the unknown number: 3 × □ = 24

7. Find the unknown number: □ ÷ 4 = 7

8. Fill in both boxes: 8 × □ = 72 and 72 ÷ 8 = □. Write the first box, then the second.

9. What number makes 45 ÷ □ = 9 true?

   A. 4

   B. 5

   C. 36

   D. 54

10. Find the unknown number: 4 = 32 ÷ □

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## Challenge

Multi-step and word problems that stretch it.

1. The same number goes in both boxes: □ × □ = 49. What is the number?

2. Find the unknown number: 6 × □ = 3 × 8

3. Find the unknown number: □ ÷ 5 = 2 × 4

4. △ × 3 = 18 and □ = △ × 4. What number is □?

5. Which equation has the greatest unknown number?

   A. 40 ÷ □ = 5

   B. 6 × □ = 54

   C. □ × 4 = 28

   D. □ ÷ 3 = 2

6. Zoe solved $7 \times \square = 56$. She wrote $\square = 49$ because $56 - 7 = 49$. Which tells her mistake and the correct unknown number?

   A. Zoe should add. The unknown is 63.

   B. Zoe subtracted, but she should find what number times 7 makes 56. The unknown is 8.

   C. Zoe is correct. The unknown is 49.

   D. Zoe should find $56 \div 8$. The unknown is 7.

7. Ken thinks of a number. He multiplies it by 6 and gets 48. What is Ken's number?

8. Find the unknown number: $\square \times 7 = 63 - 7$

9. One number makes both equations true: $\square \times 4 = 24$ and $30 \div \square = 5$. What is the number?

10. Kara has some packs with 6 cards in each pack. If she had 2 more cards, she would have 50 cards. How many packs does she have?