

Multiplication And Division Worksheets

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Part 1: Building a Foundation

What is the product of 7 and 8?

Hint: Think about the multiplication table.

- 54
- 56
- 64
- 72

What is the product of 7 and 8?

Hint: Think about basic multiplication.

- A) 54
- B) 56
- C) 64
- D) 72

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- B) 56
- C) 64
- D) 72

Which of the following are properties of multiplication?

Hint: Consider the different ways multiplication can be performed.

- A) Commutative

- A) Associative
- A) Distributive
- A) Subtractive

Which of the following are properties of multiplication?

Hint: Consider the different properties you have learned.

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- B) Associative
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Hint: Think about how one operation can undo the other.

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What is the multiplicative identity?

Hint: Think about what number keeps other numbers the same when multiplied.

- 0
- 1
- 1
- 10

What is the multiplicative identity?

Hint: Think about what number does not change another number when multiplied.

- A) 0
- B) 1
- C) -1
- D) 10

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Part 2: comprehension and Application

If $9 \times 5 = 45$, what is $45 \div 9$?

Hint: Think about the inverse operation of multiplication.

- 3
- 5
- 9
- 45

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Hint: Think about the inverse operation of multiplication.

- A) 3
- B) 5
- C) 9
- D) 45

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Hint: Think about the inverse operation of multiplication.

- A) 3
- B) 5
- C) 9
- D) 45

Which of the following statements are true about division?

Hint: Consider the properties and rules of division.

- A) Division is the inverse of multiplication.
- A) Division by zero is undefined.
- A) Division is commutative.
- A) Division can be checked by multiplication.

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Describe how you would use an array to solve 4×6 .

Hint: Think about how arrays can represent multiplication visually.

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A farmer has 36 apples and wants to pack them equally into 6 baskets. How many apples will each basket contain?

Hint: Think about how to divide the total number of apples by the number of baskets.

- 4
- 5
- 6
- 7

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Hint: Think about how to divide the total number of apples.

- A) 4
- B) 6
- C) 5
- D) 7

A farmer has 36 apples and wants to pack them equally into 6 baskets. How many apples will each basket contain?

Hint: Think about how to divide the total number of apples.

- A) 4
- B) 6
- C) 5
- D) 7

Which of the following scenarios involve multiplication?

Hint: Consider situations where you are combining groups or quantities.

- A) Calculating the total cost of 5 items each priced at \$3.
- A) Splitting a bill equally among 4 friends.
- A) Determining the area of a rectangle with sides 4 cm and 5 cm.
- A) Finding the average of 5 test scores.

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Solve the word problem: If a car travels 60 miles per hour, how far will it travel in 3 hours?

Hint: Think about the formula $distance = speed \times time$.

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Part 3: Analysis, Evaluation, and Creation

Which equation represents the distributive property?

Hint: Consider how multiplication interacts with addition.

- $3 \times (4 + 5) = 3 \times 4 + 3 \times 5$
- $3 + 4 = 4 + 3$
- $(3 \times 4) \times 5 = 3 \times (4 \times 5)$
- $3 \times 1 = 3$

Which equation represents the distributive property?

Hint: Think about how to distribute multiplication over addition.

- A) $3 \times (4 + 5) = 3 \times 4 + 3 \times 5$
- B) $3 + 4 = 4 + 3$
- C) $(3 \times 4) \times 5 = 3 \times (4 \times 5)$
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Which equation represents the distributive property?

Hint: Think about how multiplication distributes over addition.

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Analyze the following statements and identify which are correct:

Hint: Consider the properties of multiplication and division.

- A) Multiplication is always commutative.
- A) Division is always associative.
- A) The result of multiplying two negative numbers is positive.
- A) The result of dividing a number by itself is always 1.

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Explain why the equation $8 \div 0$ is undefined.

Hint: Think about what happens when you try to divide by zero.

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Which of the following best evaluates the expression $2 \times (3 + 4) \div 2$?

Hint: Remember to follow the order of operations.

- 3.5
- 7
- 14
- 10

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- B) 7
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Evaluate the following strategies for solving 12×15 efficiently:

Hint: Consider different methods of multiplication.

- A) Use the distributive property: $12 \times (10 + 5)$
- A) Multiply directly: 12×15
- A) Break into smaller parts: $(10 \times 15) + (2 \times 15)$
- A) Use a calculator

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Create a real-world problem that involves both multiplication and division, and solve it.

Hint: Think about a scenario that requires both operations.

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