

Multiplication 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
- 58
- 60

Which of the following are properties of multiplication?

Hint: Consider the different ways multiplication can be expressed.

- Associative Property
- Distributive Property
- Commutative Property
- Subtractive Property

Explain the Zero Property of multiplication and provide an example.

Hint: Think about what happens when you multiply by zero.

List the terms used in a division operation.

Hint: Think about the components of a division equation.

1. Term 1:

2. Term 2:

3. Term 3:

4. Term 4:

What is the result of dividing any number by 1?

Hint: Consider what happens to a number when it is divided by itself.

- 0
- The number itself
- 1
- Undefined

Part 2: Understanding and Application

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

Hint: Think about the relationship between multiplication and division.

- 4
- 5
- 6
- 9

Which of the following statements are true about division?

Hint: Consider the properties and rules of division.

- Division is the inverse of multiplication.
- Division by zero is undefined.
- Division always results in a whole number.

Division can be used to find equal groups.

Describe how you can use multiplication to check the result of a division problem.

Hint: Think about the relationship between multiplication and division.

If a rectangle has a length of 8 units and a width of 3 units, what is its area?

Hint: Use the formula for the area of a rectangle.

- 11 square units
- 24 square units
- 16 square units
- 32 square units

You have 36 apples and want to divide them equally into baskets. Which of the following are possible numbers of apples per basket?

Hint: Think about the factors of 36.

- 3
- 4
- 5
- 6

A group of 5 friends wants to share 20 candies equally. How many candies does each friend get? Show your calculation.

Hint: Think about how to divide 20 by 5.

Part 3: Analysis, Evaluation, and Creation

Which of the following expressions demonstrates the Distributive Property?

Hint: Look for the expression that shows multiplication over addition.

- $4 \times (2 + 3) = (4 \times 2) + (4 \times 3)$
- $4 + 2 = 2 + 4$
- $(4 \times 2) \times 3 = 4 \times (2 \times 3)$
- $4 \times 0 = 0$

Analyze the following division problems and identify which have a remainder:

Hint: Consider the results of each division.

- $15 \div 4$
- $20 \div 5$
- $23 \div 6$
- $18 \div 3$

Explain how the Commutative Property of multiplication can simplify calculations in a real-world scenario.

Hint: Think about how changing the order of factors affects the product.

Which strategy would be most effective for estimating the product of 47 and 6?

Hint: Consider rounding numbers for easier calculations.

- Round both numbers to the nearest ten and multiply.
- Use a calculator.
- Add 47 six times.
- Divide 47 by 6 and multiply by 36.

Evaluate the following scenarios and determine which demonstrate effective use of division:

Hint: Think about practical applications of division.

- Splitting a bill evenly among friends.
- Determining the number of weeks in a year.
- Calculating the area of a square.
- Allocating resources equally in a project.

Create a real-world problem that involves both multiplication and division, and provide a solution to your problem.

Hint: Think about a scenario that requires both operations.

Propose two different methods to solve the multiplication problem 12×15 .

Hint: Think about different strategies for multiplication.

1. Method 1:

2. Method 2: