

Single Digit Multiplication Worksheets Answer Key PDF

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Part 1: Building a Foundation

What is the product of 3 and 4?

undefined. A) 7

undefined. C) 12 ✓

undefined. D) 14

undefined. C) 9

The product of 3 and 4 is 12.

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The product of 3 and 4 is 12.

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undefined. A) 7

undefined. C) 12 ✓

undefined. D) 14

undefined. C) 9

The product of 3 and 4 is 12.

Which of the following are correct products of single-digit multiplication?

undefined. **A) $2 \times 5 = 10$ ✓**

undefined. C) $4 \times 4 = 18$

undefined. **D) $9 \times 1 = 9$ ✓**

undefined. **C) $6 \times 7 = 42$ ✓**

The correct products are $2 \times 5 = 10$, $6 \times 7 = 42$, and $9 \times 1 = 9$.

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undefined. **A) $2 \times 5 = 10$ ✓**

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undefined. **C) $6 \times 7 = 42$ ✓**

The correct products are A) $2 \times 5 = 10$, B) $6 \times 7 = 42$, and D) $9 \times 1 = 9$.

Explain why multiplying any number by zero results in zero.

Multiplying by zero means you have zero groups of the number, resulting in zero.

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List the products of the following multiplications:

1. $2 \times 3 = \underline{\quad}$

6

2. $5 \times 5 = \underline{\quad}$

25

3. $7 \times 2 = \underline{\quad}$

14

The products are 6, 25, and 14.

List the products of the following multiplications:

1. $2 \times 3 = \underline{\quad}$

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2. $5 \times 5 = \underline{\quad}$

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3. $7 \times 2 = \underline{\quad}$

14

The products are $2 \times 3 = 6$, $5 \times 5 = 25$, and $7 \times 2 = 14$.

List the products of the following multiplications:

1. $2 \times 3 = \underline{\quad}$

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2. $5 \times 5 = \underline{\quad}$

25

3. $7 \times 2 = \underline{\quad}$

14

The products are 6, 25, and 14.

Part 2: comprehension and Application

If you know that $4 \times 5 = 20$, what is 5×4 ?

undefined. A) 15

undefined. C) 25

undefined. D) 30

undefined. C) 20 ✓

5×4 is also 20 due to the commutative property.

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undefined. A) 15

undefined. C) 25

undefined. D) 30

undefined. C) 20 ✓

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If you know that $4 \times 5 = 20$, what is 5×4 ?

undefined. A) 15

undefined. C) 25

undefined. D) 30

undefined. C) 20 ✓

5×4 is also 20 due to the commutative property.

Which of the following statements about multiplication are true?

undefined. A) Multiplication is commutative. ✓

undefined. C) Multiplication is associative. ✓

undefined. D) Multiplying by zero gives a product of one.

undefined. C) Multiplying by one leaves the number unchanged. ✓

The true statements are that multiplication is commutative, multiplying by one leaves the number unchanged, and multiplication is associative.

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A), B), and C) are true statements about multiplication.

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A), B), and C) are true statements about multiplication.

Describe how the commutative property of multiplication can help simplify calculations.

The commutative property allows you to rearrange the factors in multiplication, making calculations easier.

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If a classroom has 6 rows of desks with 4 desks in each row, how many desks are there in total?

undefined. A) 20

undefined. C) 28

undefined. D) 30

undefined. C) 24 ✓

There are 24 desks in total ($6 \times 4 = 24$).

If a classroom has 6 rows of desks with 4 desks in each row, how many desks are there in total?

undefined. A) 20

undefined. C) 28

undefined. D) 30

undefined. C) 24 ✓

There are 24 desks in total.

If a classroom has 6 rows of desks with 4 desks in each row, how many desks are there in total?

undefined. A) 20

undefined. C) 28

undefined. D) 30

undefined. C) 24 ✓

There are 24 desks in total.

Which of the following scenarios can be solved using single-digit multiplication?

undefined. A) Calculating the total number of apples in 3 baskets with 5 apples each. ✓

undefined. C) Determining the total cost of 7 pencils if each costs \$2. ✓

undefined. D) Calculating the perimeter of a square with side length 9. ✓

undefined. C) Finding the area of a rectangle with sides 4 and 5. ✓

The scenarios that can be solved using single-digit multiplication are A, B, and C.

Which of the following scenarios can be solved using single-digit multiplication?

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undefined. C) Finding the area of a rectangle with sides 4 and 5. ✓

A), B), and C) can be solved using single-digit multiplication.

A gardener plants 8 rows of flowers with 7 flowers in each row. How many flowers are there in total? Show your calculation.

The total number of flowers is 56 ($8 \times 7 = 56$).

A gardener plants 8 rows of flowers with 7 flowers in each row. How many flowers are there in total? Show your calculation.

There are 56 flowers in total ($8 \times 7 = 56$).

A gardener plants 8 rows of flowers with 7 flowers in each row. How many flowers are there in total? Show your calculation.

There are 56 flowers in total. Calculation: $8 \times 7 = 56$.

Part 3: Analysis, Evaluation, and Creation

Which multiplication problem demonstrates the distributive property?

undefined. A) $3 \times (4 + 5) = 3 \times 4 + 3 \times 5$ ✓

undefined. C) $7 \times 1 = 7$

undefined. D) $9 \times 0 = 0$

undefined. C) $6 \times 2 = 12$

The problem that demonstrates the distributive property is $3 \times (4 + 5) = 3 \times 4 + 3 \times 5$.

Which multiplication problem demonstrates the distributive property?

undefined. A) $3 \times (4 + 5) = 3 \times 4 + 3 \times 5$ ✓

undefined. C) $7 \times 1 = 7$

undefined. D) $9 \times 0 = 0$

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A) $3 \times (4 + 5) = 3 \times 4 + 3 \times 5$ demonstrates the distributive property.

Which multiplication problem demonstrates the distributive property?

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undefined. C) $6 \times 2 = 12$

A) $3 \times (4 + 5) = 3 \times 4 + 3 \times 5$ demonstrates the distributive property.

Analyze the following statements and identify which are true about multiplication:

undefined. A) The product of two even numbers is always even. ✓

undefined. C) The product of two odd numbers is always odd. ✓

undefined. D) Multiplication can be undone by division. ✓

undefined. C) The product of an even and an odd number is always odd.

The true statements are A, B, and D.

Analyze the following statements and identify which are true about multiplication:

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A), B), and D) are true statements about multiplication.

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

You can multiply the quotient by the divisor to check if it equals the dividend.

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Which strategy is most effective for quickly solving 9×6 ?

undefined. A) Counting by nines

undefined. C) Multiplying 6×10 and subtract 6

undefined. D) Guess the answer

undefined. C) Using the fact that $9 \times 5 = 45$ and adding 9 ✓

Using the fact that $9 \times 5 = 45$ and adding 9 is an effective strategy.

Which strategy is most effective for quickly solving 9×6 ?

undefined. A) Counting by nines

undefined. C) Multiplying 6×10 and subtract 6

undefined. D) Guess the answer

undefined. C) Using the fact that $9 \times 5 = 45$ and adding 9 ✓

The most effective strategy is using the fact that $9 \times 5 = 45$ and adding 9.

Which strategy is most effective for quickly solving 9×6 ?

undefined. A) Counting by nines

undefined. C) Multiplying 6×10 and subtracting 6

undefined. D) Guessing the answer

undefined. C) Using the fact that $9 \times 5 = 45$ and adding 9 ✓

Using the fact that $9 \times 5 = 45$ and adding 9 is an effective strategy.

Evaluate the following strategies for solving 8×7 and select those that are efficient:

undefined. **A) Doubling 4×7 ✓**

undefined. **C) Using the known fact $7 \times 8 = 56$ ✓**

undefined. **D) Multiplying 8×5 and adding 16 ✓**

undefined. C) Adding 8×6 and 8

A), B), and C) are efficient strategies for solving 8×7 .

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undefined. **A) Doubling 4×7 ✓**

undefined. **C) Using the known fact $7 \times 8 = 56$ ✓**

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undefined. C) Adding 8×6 and 8

The efficient strategies are A, B, and C.

Evaluate the following strategies for solving 8×7 and select those that are efficient:

undefined. **A) Doubling 4×7 ✓**

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undefined. **D) Multiplying 8×5 and adding 16 ✓**

undefined. C) Adding 8×6 and 8

A), B), and C) are efficient strategies for solving 8×7 .

Create a real-world problem that can be solved using single-digit multiplication, and provide the solution.

An example problem could be: If there are 4 bags with 6 apples each, how many apples are there in total? The solution is 24 apples.

Create a real-world problem that can be solved using single-digit multiplication, and provide the solution.

An example could be calculating the total cost of 5 apples at \$2 each.

Create a real-world problem that can be solved using single-digit multiplication, and provide the solution.

An example could be calculating the total number of eggs in 5 cartons with 6 eggs each, which equals 30.