

## 4 Multiplication Table Worksheet Answer Key PDF

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### Part 1: Building a Foundation

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**What is the product of 4 x 3?**

undefined. A) 7

**undefined. B) 12 ✓**

undefined. C) 16

undefined. D) 10

The product of 4 and 3 is 12.

**Which of the following are multiples of 4? (Select all that apply)**

**undefined. A) 8 ✓**

undefined. B) 15

**undefined. C) 20 ✓**

undefined. D) 25

The multiples of 4 from the options are 8 and 20.

**Explain in your own words what it means for a number to be a multiple of 4.**

**A number is a multiple of 4 if it can be expressed as 4 times an integer.**

**List the first four numbers in the 4 multiplication table.**

1. First number:

**4**

2. Second number:

**8**

3. Third number:

12

4. Fourth number:

16

The first four numbers are 4, 8, 12, and 16.

## Part 2: Understanding and Interpretation

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**What pattern do you notice in the 4 multiplication table?**

undefined. A) Each number is odd

undefined. **B) Each number increases by 4 ✓**

undefined. C) Each number decreases by 2

undefined. D) Each number is a prime number

Each number in the 4 multiplication table increases by 4.

**Which statements are true about the 4 multiplication table? (Select all that apply)**

undefined. **A) All products are even numbers ✓**

undefined. **B) The sequence skips odd numbers ✓**

undefined. C) The products are always less than 40

undefined. D) The sequence includes prime numbers

The true statements are that all products are even numbers and the sequence skips odd numbers.

**Describe how the commutative property applies to the 4 multiplication table.**

**The commutative property states that changing the order of factors does not change the product, so  $4 \times 3$  is the same as  $3 \times 4$ .**

## Part 3: Application and Analysis

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**If you have 4 packs of pencils and each pack contains 6 pencils, how many pencils do you have in total?**

undefined. A) 20

**undefined. B) 24 ✓**

undefined. C) 28

undefined. D) 30

You have a total of 24 pencils.

**You are organizing chairs in rows of 4 for an event. Which of the following total numbers of chairs can be arranged in complete rows of 4? (Select all that apply)**

**undefined. A) 16 ✓**

undefined. B) 22

**undefined. C) 28 ✓**

undefined. D) 35

The total numbers of chairs that can be arranged in complete rows of 4 are 16 and 28.

**Provide a real-life example where you might use the 4 multiplication table to solve a problem.**

**An example could be calculating the total number of legs if there are 4 tables with 4 legs each.**

**If  $4 \times N = 36$ , what is the value of N?**

undefined. A) 8

**undefined. B) 9 ✓**

undefined. C) 10

undefined. D) 11

The value of N is 9.

**Analyze how the pattern in the 4 multiplication table can help in quickly solving multiplication problems involving larger numbers.**

**Recognizing that each number increases by 4 allows for quick calculations and helps in estimating larger products.**

## Part 4: Evaluation and Creation

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Which of the following scenarios best demonstrates the use of the 4 multiplication table in planning?

undefined. **A) Calculating the total cost of items priced at \$4 each ✓**

undefined. B) Dividing a pizza into 4 equal parts

undefined. C) Measuring ingredients for a recipe

undefined. D) Planning a trip itinerary

Calculating the total cost of items priced at \$4 each demonstrates the use of the 4 multiplication table.

Evaluate the following statements and select those that correctly describe the benefits of knowing the 4 multiplication table. (Select all that apply)

undefined. **A) It helps in solving division problems quickly ✓**

undefined. **B) It is useful for estimating costs ✓**

undefined. C) It is only useful in academic settings

undefined. **D) It aids in understanding fractions ✓**

The correct statements are that it helps in solving division problems quickly and is useful for estimating costs.

Create a word problem that involves the 4 multiplication table and provide a solution to it.

**An example could be: If there are 4 baskets with 4 apples each, how many apples are there in total?  
The solution is 16 apples.**