

## Introduction to Multiplication Tables

Welcome to the world of multiplication tables and patterns! This worksheet is designed to help you understand and apply multiplication tables and patterns to solve real-world problems.

By the end of this worksheet, you will be able to recall and apply multiplication tables up to 12 times 12, identify and create patterns using multiplication tables, and demonstrate an understanding of the relationship between multiplication and division.

## Section 1: Multiplication Tables

Complete the following multiplication tables:

Multiplication Table	Product
$2 \times 6 =$	
$5 \times 9 =$	
$8 \times 4 =$	
$3 \times 7 =$	
$6 \times 9 =$	

Exercise 2: Multiplication Tables Patterns

Identify the pattern in the following multiplication tables:

Multiplication Table	Product
2 x 1 =	2
2 x 2 =	4
2 x 3 =	6
2 x 4 =	8
2 x 5 =	10

Section 2: Patterns

Identify the pattern in the following sequence:

2, 5, 8, 11, 14, \_\_\_\_

### Exercise 4: Pattern Creation

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Create a pattern using the multiplication table for 3:

3, 6, 9, 12, 15, \_\_\_\_

### Section 3: Real-World Applications

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A bookshelf has 5 shelves, and each shelf can hold 8 books. How many books can the bookshelf hold in total?

Exercise 6: Real-World Pattern Recognition

A bakery sells 240 loaves of bread per day, and each loaf is sold in packs of 12. How many packs of bread are sold per day?

Section 4: Review and Assessment

Complete the following multiplication tables:

Multiplication Table	Product
4 x 9 =	
6 x 8 =	
9 x 7 =	
5 x 6 =	
8 x 3 =	

### Exercise 8: Pattern Recognition Review

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Identify the pattern in the following sequence:

4, 8, 12, 16, 20, \_\_\_\_

### Conclusion

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*Congratulations on completing this worksheet! You have demonstrated your understanding of multiplication tables and patterns, and applied this knowledge to solve real-world problems.*

Remember to practice regularly to reinforce your understanding of these concepts.

