Introduction to Multiplication

Grade 3 | Operations & Algebraic Thinking (OA) | 15 minutes | 17 Questions

Common Core Standards:
3.OA.A.1: Interpret products of whole numbers
3.OA.A.3: Use multiplication within 100 to solve word problems
3.OA.C.7: Fluently multiply within 100

Name: _____ **Date:** _____ **Score:** _____ / 17

📖 What is Multiplication?

Multiplication is a faster way to add the same number many times. Instead of writing 3 + 3 + 3 + 3, we can write 4 × 3, which means "4 groups of 3".

The multiplication symbol (×) means "groups of". When we see 4 × 3, we read it as "four times three" or "four groups of three". The answer is called the product.

Think of multiplication like this: If you have 4 bags and each bag has 3 apples, how many apples do you have in total? You have 4 × 3 = 12 apples!

The two numbers we multiply are called factors. In 4 × 3 = 12, both 4 and 3 are factors, and 12 is the product.

💡 Worked Examples

Study these examples carefully before starting the practice questions.

Example 1

Problem: 3 × 4 = ?

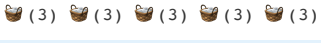
This means 3 groups of 4

1. We can think of this as: 4 + 4 + 4
2. Let's add: 4 + 4 = 8
3. Then: 8 + 4 = 12
4. So 3 × 4 = 12

Answer: 12

Example 2

Problem: A farmer has 5 baskets. Each basket has 3 eggs. How many eggs does the farmer have?



This is a multiplication word problem

1. We have 5 baskets
2. Each basket has 3 eggs
3. We need to find: 5 × 3
4. 5 × 3 = 3 + 3 + 3 + 3 + 3 = 15

Answer: 15 eggs

Example 3

Problem: 2 × 5 = ?

This means 2 groups of 5

1. We have 2 groups
2. Each group has 5 items
3. 2 × 5 = 5 + 5
4. 5 + 5 = 10
5. So 2 × 5 = 10

Answer: 10

✏️ Practice Questions

Solve each problem. Show your work in the space provided.

1. 4 × 7 = ___

2. 4 × 9 = ___

3. 4 × 3 = ___

4. 3 × 7 = ___

5. 5 × 6 = ___

6. 5 × 5 = ___

7. 4 × 10 = ___

8. 4 × 6 = ___

9. 4 × 8 = ___

10. 5 × 8 = ___

11. Write 4 × 3 as repeated addition and find the answer.

12. Write 2 × 3 as repeated addition and find the answer.

13. Write 2 × 4 as repeated addition and find the answer.

14. A baker made 3 trays of cookies. Each tray has 6 cookies. How many cookies did the baker make?

15. There are 4 boxes. Each box has 5 crayons. How many crayons are there in total?

16. There are 5 flowers in each vase. There are 6 vases. How many flowers are there?

17. A baker made 2 trays of cookies. Each tray has 6 cookies. How many cookies did the baker make?