

## Multiplication by 1-Digit Number

### Understanding the Concept

- Multiplication means repeated addition  
**Example:**  $4 \times 3$  means  $4 + 4 + 4 = 12$
- A 1-digit number is any number from 1 to 9
- We multiply bigger numbers like 2-digit or 3-digit numbers by a 1-digit number
- This helps us find total or repeated values quickly
- It is used in real-life situations like counting money, objects, or time

### How to Multiply by 1-Digit Number

- Multiply each digit of the number one by one
- Start from the right side (ones place)
- Carry over if the result is more than 9
- Write each step clearly to avoid mistakes

### Steps Example

To multiply  $42 \times 3$

**Step 1:**  $3 \times 2 = 6$

**Step 2:**  $3 \times 4 = 12$

**Answer** = 126

### Examples with Solutions

**Example 1:**

➤  $23 \times 4 = ?$

✓  $4 \times 3 = 12 \rightarrow$  write 2, carry 1

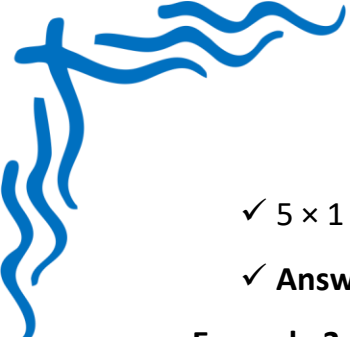
✓  $4 \times 2 = 8 + 1 = 9$

✓ So,  $23 \times 4 = 92$

**Example 2:**

➤  $15 \times 5 = ?$

✓  $5 \times 5 = 25 \rightarrow$  write 5, carry 2



✓  $5 \times 1 = 5 + 2 = 7$

✓ **Answer** = 75

**Example 3:**

➤ **A pack has 36 pencils. How many pencils in 2 packs?**

✓ A:  $36 \times 2 =$

✓  $2 \times 6 = 12 \rightarrow$  write 2, carry 1

✓  $2 \times 3 = 6 + 1 = 7$

✓ **Answer** = 72 pencils

**Example 4:**

➤  **$84 \times 3 = ?$**

✓  $3 \times 4 = 12 \rightarrow$  write 2, carry 1

✓  $3 \times 8 = 24 + 1 = 25$

✓ **Answer** = 252

**Example 5:**

➤ **A boy reads 29 pages every day. How many pages in 3 days?**

✓  $29 \times 3 =$

✓  $3 \times 9 = 27 \rightarrow$  write 7, carry 2

✓  $3 \times 2 = 6 + 2 = 8$

✓ **Answer** = 87 pages

**Summary Points**

- Multiplication by 1-digit numbers helps us solve bigger problems easily
- Always multiply from the ones place and carry over if needed
- Break down the multiplication step by step
- Useful in counting, shopping, and word problems
- Practice helps to improve speed and accuracy