

Multiplication by 3-digit Number

➡ We multiply a number by 3- digit number in the same way as we multiply a number by 2 – digit number.

Example 1: Multiply 264 by 34.

Solution:

2 4 6	
× 3 4	
9 8 4	← (246 × 4)
+ 7 3 8 0	← (246 × 30)
8 3 6 4	← (246 × 34)

Thus, the product of 246 and 34 is 8364.

➡ **Example 2:** A bag contains 12 kg 500 g sugar. Find the capacity of such 26 bags?

Solution: Capacity of a bag = 12 kg 500 g

Capacity of such 26 bags = 12 kg 500g × 26 bags

= 325 kg

Therefore, the capacity of the 26 bags is 325 kg.

Working:

Kg	g
12	500
×	26
75	000
250	000
325	000

➡ **Note:-** When we multiply kg and g by a number, we multiply them in the same ways as we multiply the ordinary numbers. Last three digits on the extreme right represent gram (g) and remaining digits represent kilograms (kg).