

# 6

## Multiplication

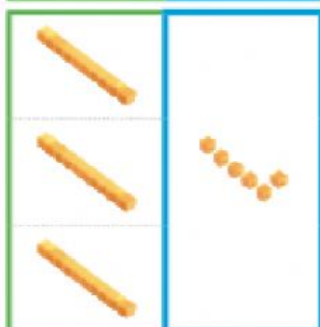
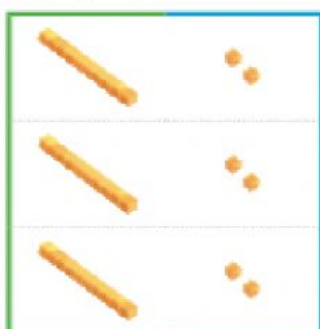


Let's Learn!

### Multiplication without Regrouping

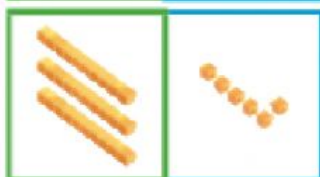
- 1 Multiply 12 by 3.

$$12 \times 3 = ?$$



First, multiply the ones by 3.  
2 ones  $\times$  3 = 6 ones

$$\begin{array}{r} 12 \\ \times 3 \\ \hline 6 \end{array}$$



Then, multiply the tens by 3.  
1 ten  $\times$  3 = 3 tens

$$\begin{array}{r} 12 \\ \times 3 \\ \hline 36 \end{array}$$

So,  $12 \times 3 = 36$ .

When we multiply 12 by 3, we get the **product** of 12 and 3.



36 is the product of 12 and 3.



- 2** Find the product of 43 and 2.

$$43 \times 2 = ?$$

First, multiply the ones by 2.

$$3 \text{ ones} \times 2 = \boxed{\phantom{00}} \text{ ones}$$

Then, multiply the tens by 2.

$$4 \text{ tens} \times 2 = \boxed{\phantom{00}} \text{ tens}$$

$$\text{So, } 43 \times 2 = \boxed{\phantom{00}}.$$

The product of 43 and 2 is  $\boxed{\phantom{00}}$ .

$$\begin{array}{r} 43 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ \times 2 \\ \hline \end{array}$$

- 3** Multiply.

**a**

$$\begin{array}{r} 24 \\ \times 2 \\ \hline \end{array}$$

**b**

$$\begin{array}{r} 41 \\ \times 2 \\ \hline \end{array}$$

**c**

$$\begin{array}{r} 32 \\ \times 3 \\ \hline \end{array}$$

**d**

$$\begin{array}{r} 21 \\ \times 4 \\ \hline \end{array}$$