



Let's Learn!

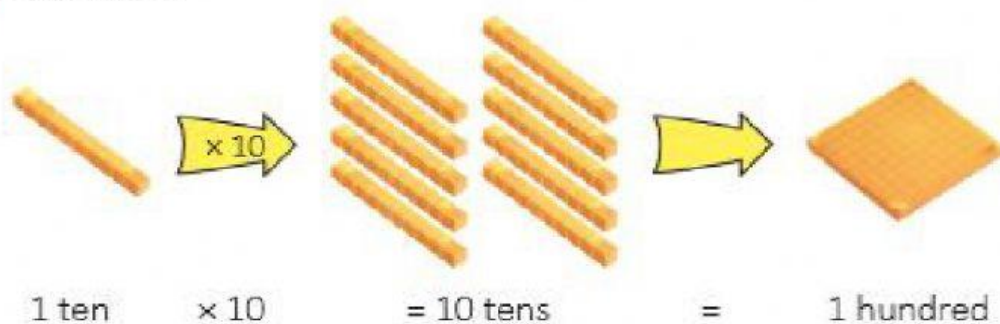
Multiplication by 10

1 Multiply.

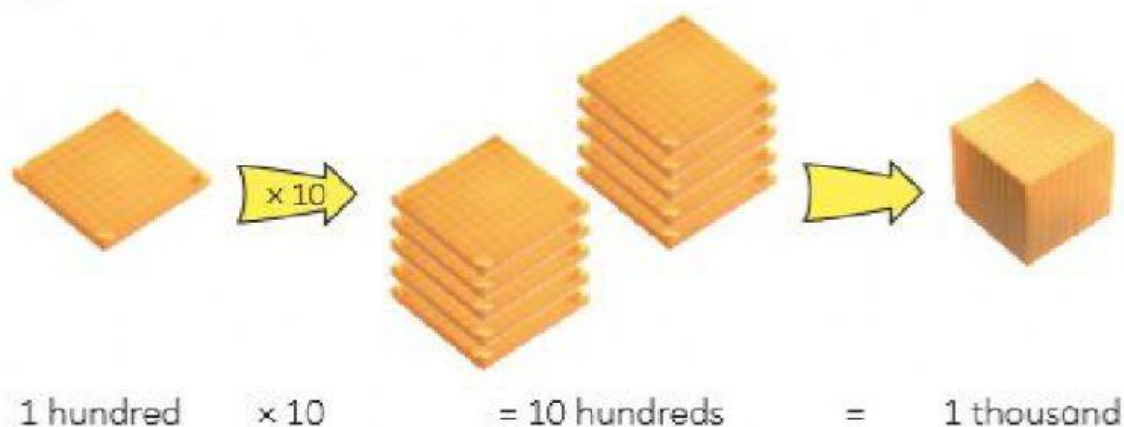
a $1 \times 10 = ?$



b $10 \times 10 = ?$



c $100 \times 10 = ?$



- 2 Find the product of 23 and 10.

$$23 \times 10 = ?$$



First, multiply the ones.

$$\begin{aligned} 3 \text{ ones} \times 10 &= 30 \text{ ones} \\ &= 3 \text{ tens} \end{aligned}$$

Then, multiply the tens.

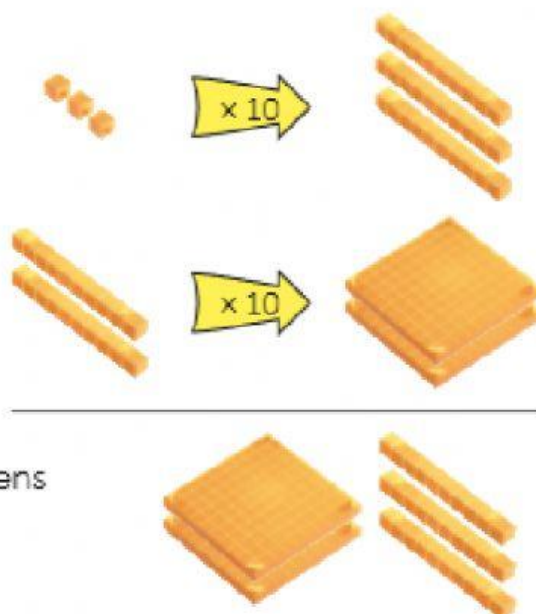
$$\begin{aligned} 2 \text{ tens} \times 10 &= 20 \text{ tens} \\ &= 2 \text{ hundreds} \end{aligned}$$

Lastly, add the hundreds and tens.

$$\begin{aligned} 2 \text{ hundreds} + 3 \text{ tens} &= 2 \text{ hundreds } 3 \text{ tens} \\ &= 230 \end{aligned}$$

So, $23 \times 10 = 230$.

The product of 23 and 10 is 230.



- 3 Multiply 14 by 10.

$$14 \times 10 = ?$$

First, multiply the ones.

$$\begin{aligned} 4 \text{ ones} \times 10 &= 40 \text{ ones} \\ &= 4 \text{ tens} \end{aligned}$$

Then, multiply the tens.

$$\begin{aligned} 1 \text{ ten} \times 10 &= 10 \text{ tens} \\ &= 1 \text{ hundred} \end{aligned}$$

So, $14 \times 10 = 140$

4 Multiply 212 by 10.

$$212 \times 10 = ?$$



First, multiply the ones.

$$\begin{aligned} 2 \text{ ones} \times 10 &= 20 \text{ ones} \\ &= 2 \text{ tens} \end{aligned}$$

Then, multiply the tens.

$$\begin{aligned} 1 \text{ ten} \times 10 &= 10 \text{ tens} \\ &= 1 \text{ hundred} \end{aligned}$$

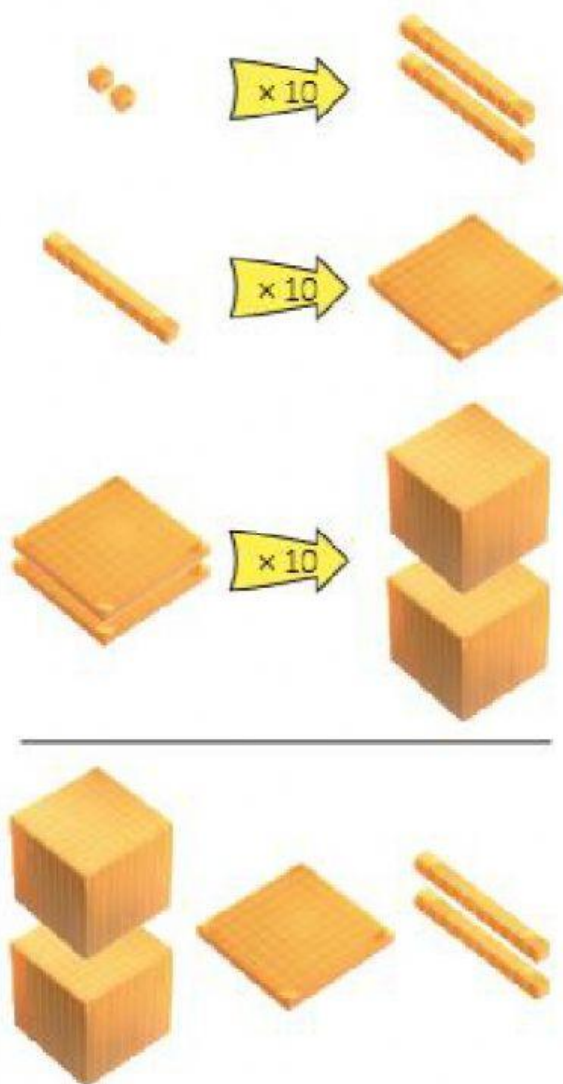
Next, multiply the hundreds.

$$\begin{aligned} 2 \text{ hundreds} \times 10 &= 20 \text{ hundreds} \\ &= 2 \text{ thousands} \end{aligned}$$

Lastly, add the thousands,
hundreds and tens.

$$\begin{aligned} 2 \text{ thousands} + 1 \text{ hundred} + 2 \text{ tens} \\ &= 2 \text{ thousands } 1 \text{ hundred } 2 \text{ tens} \\ &= 2120 \end{aligned}$$

So, $212 \times 10 = 2120$.



5 Multiply 589 by 10.

$$589 \times 10 = ?$$

First, multiply the ones.

$$\begin{aligned} \text{ } \text{ones} \times 10 &= \text{ } \text{ones} \\ &= \text{ } \text{tens} \end{aligned}$$

Then, multiply the tens.

$$\begin{aligned} \text{ } \text{tens} \times 10 &= \text{ } \text{tens} \\ &= \text{ } \text{hundreds} \end{aligned}$$

Lastly, multiply the hundreds.

$$\begin{aligned} \text{ } \text{hundreds} \times 10 &= \text{ } \text{hundreds} \\ &= \text{ } \text{thousands} \end{aligned}$$

$$\text{So, } 589 \times 10 = \text{ } .$$