6 Multiplication

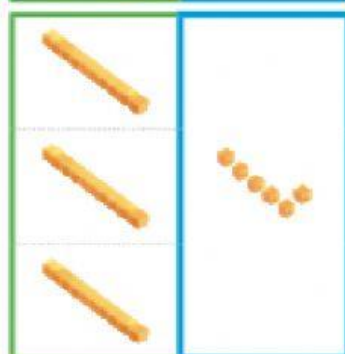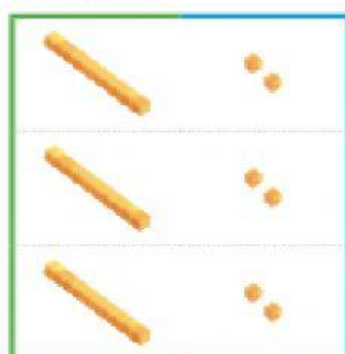**Let's Learn!**

Multiplication without Regrouping
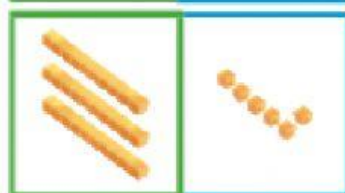
1 Multiply 12 by 3.

$12 \times 3 = ?$

First, multiply the ones by 3.
2 ones × 3 = 6 ones

$$
\begin{array}{r}
1\ 2 \\
\times\quad 3 \\
\hline
6
\end{array}
$$

Then, multiply the tens by 3.
1 ten × 3 = 3 tens

$$
\begin{array}{r}
1\ 2 \\
\times\quad 3 \\
\hline
3\ 6
\end{array}
$$

101

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So, 12 × 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 × 2 = ?

First, multiply the ones by 2.

3 ones × 2 = [ ] ones

$$\begin{array}{r} 4\ 3 \\ \times\ \ \ 2 \\ \hline [\quad] \end{array}$$

Then, multiply the tens by 2.

4 tens × 2 = [ ] tens

$$\begin{array}{r} 4\ 3 \\ \times\ \ \ 2 \\ \hline [\quad] \end{array}$$

So, 43 × 2 = [ ] .

The product of 43 and 2 is [ ] .

3 Multiply.

a
$$\begin{array}{r} 2\ 4 \\ \times\ \ \ 2 \\ \hline [\quad] \end{array}$$

b
$$\begin{array}{r} 4\ 1 \\ \times\ \ \ 2 \\ \hline [\quad] \end{array}$$

c
$$\begin{array}{r} 3\ 2 \\ \times\ \ \ 3 \\ \hline [\quad] \end{array}$$

d
$$\begin{array}{r} 2\ 1 \\ \times\ \ \ 4 \\ \hline [\quad] \end{array}$$