

03.12.20

L.O: To multiply

1.  $324,000 \div 10$

2. How many hours are there  
in a week?

3. Write first 5 multiples of 4

4. Write all Prime Numbers  
between 0 and 10

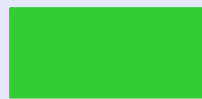
1.  $324,000 \div 10$        $32,400$

2. How many hours are there  
in a week?       $24 \times 7 = 168$

3. Write first 5 multiples of 4  
 $0, 4, 8, 12, 16, 20$

4. Write all Prime Numbers  
between 0 and 10       $2, 3, 5, 7$

$$4235 \times 13 = 55055$$



|      |
|------|
| I do |
|------|

$$13 = 10 + 3$$

$$\begin{array}{r} 4235 \\ \times \quad 1 \\ \hline 42350 \end{array}$$

$$\begin{array}{r} 4235 \\ \times \quad 13 \\ \hline \end{array}$$

$$\begin{array}{r} 4235 \\ \times \quad 3 \\ \hline 12705 \\ \hline \end{array}$$

$$\begin{array}{r} 12705 \\ 42350 \\ \hline 55055 \end{array}$$

$$2523 \times 64 = 161,472$$

I do

$$64 = 60 + 4$$

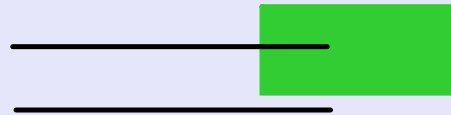
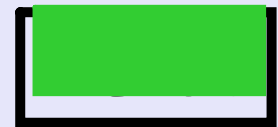
$$\begin{array}{r} 2523 \\ \times \quad 6 \\ \hline 151380 \\ \hline 314 \end{array}$$

$$\begin{array}{r} 2523 \\ \times 64 \\ \hline 10092 \\ \hline 151380 \\ \hline \end{array}$$

$$\begin{array}{r} 151380 \\ 10092 \\ \hline 161472 \\ \times \end{array}$$

$$4553 \times 24 = 109,272$$

$$\begin{array}{r} 4\ 5\ 5\ 3 \\ \times\ 2\ 4 \\ \hline \end{array}$$



$$2304 \times 19 = 43,776$$

$$\begin{array}{r} 2\ 3\ 0\ 4 \\ \times\ 1\ 9 \\ \hline \end{array}$$



$$\begin{array}{r} 5253 \\ \times 24 \\ \hline \end{array}$$

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$$4626 \times 14 =$$

$$5534 \times 42 =$$

$$\begin{array}{r} 3412 \\ \times 35 \\ \hline \end{array}$$

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$$5253 \times 24 = 126,072$$

$$3412 \times 35 = 119,420$$

$$4626 \times 14 = 64,764$$

$$5534 \times 42 = 232,428$$

You Do

A machine makes 2,734 boxes every hour.

The machine works for 3 hours each day.

- How many boxes will it make in 12 days?
- Compare methods with a partner. Were there any other ways you could have worked out the answer?

$$\begin{array}{r}
 12 \\
 \times 3 \\
 \hline
 36
 \end{array}
 \quad
 \begin{array}{r}
 2734 \\
 \times 36 \\
 \hline
 16404 \\
 82020 \\
 \hline
 98424
 \end{array}
 \quad
 \begin{array}{r}
 2734 \\
 \times 6 \\
 \hline
 16404 \\
 422
 \hline
 16404
 \end{array}
 \quad
 \begin{array}{r}
 2734 \\
 \times 3 \\
 \hline
 82020 \\
 244
 \hline
 98424
 \end{array}$$

Handwritten notes:  $36 = 30 + 6$  and  $2734 \times 3 = 82020$

In one day machine makes  $2,734 \times 3 = 8,202$  boxes

In 12 days it will make  $8,202 \times 12 = 98,424$  boxes