

Calculation at Chesswood

## Multiplication 1

## Number Line

We are multiplying by counting on... 6 each time, and do this 7 times.

Start with 0 on the number line.


$6 \times 7=42$



## Grid - Short

$56 \times 7$... partition 56 to $50+6$
$50 \times 7=350$
$6 \times 7=42$
50
6


This is where I partition the larger number...
I put the numbers in my grid.


Now add 350 and 42
$56 \times 7=392$


Use squared paper to write the numbers in columns.

$56 \times 7=392$

## Expanded Column - Long

Use squared paper to write the numbers in columns.

$$
\begin{array}{r}
56 \\
\times \quad \begin{array}{r}
27 \\
42 \\
350 \\
\hline 120 \\
\hline 107 \\
\hline
\end{array}(50 \times 7) \\
+\quad(6 \times 20) \\
\hline \frac{100}{1512}
\end{array}(50 \times 20)
$$

$56 \times 27=1512$


## Compact Column - Short

Use squared paper to write the numbers in columns.

I can calculate mentally and use carrying.

$$
\frac{392}{4}
$$


$56 \times 7=392$

## Compact Column - Long

Use squared paper to write the numbers in columns.

$$
\begin{array}{r}
56 \\
\times \quad 27 \\
\hline 392 \\
+\quad 1120 \times 7) \\
\left.\frac{1}{4} 156 \times 20\right) \\
\hline 1512
\end{array}
$$

## $56 \times 27=1512$



0


