

# Multiplication and division

## Short multiplication Y3 Homework - Due in Friday 8<sup>th</sup> June

We can use columns to work out multiplication. This will help when we need to multiply larger numbers.

For example,  $34 \times 4$ :

$$\begin{array}{r} 34 \\ \times 4 \\ \hline 136 \\ \hline \end{array}$$

Multiply the 1s: ( $4 \times 4 = 16$ )

Write the 6 in the 1s column and write the 1 below the line, in the 10s column.

Multiply the 10s: ( $3 \times 4 = 12$ , then add the 1 that was carried over = 13).

Write this answer in the 100s and 10s columns.

1. Answer these questions. Remember to multiply the 1s, then multiply the 10s.

a.

$$\begin{array}{r} 16 \\ \times 4 \\ \hline \\ \hline \end{array}$$

b.

$$\begin{array}{r} 33 \\ \times 5 \\ \hline \\ \hline \end{array}$$

c.

$$\begin{array}{r} 24 \\ \times 8 \\ \hline \\ \hline \end{array}$$

d.

$$\begin{array}{r} 75 \\ \times 3 \\ \hline \\ \hline \end{array}$$

e.

$$\begin{array}{r} 62 \\ \times 2 \\ \hline \\ \hline \end{array}$$

f.

$$\begin{array}{r} 36 \\ \times 8 \\ \hline \\ \hline \end{array}$$

g.

$$\begin{array}{r} 64 \\ \times 5 \\ \hline \\ \hline \end{array}$$

h.

$$\begin{array}{r} 87 \\ \times 3 \\ \hline \\ \hline \end{array}$$

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2. Choose a number from the top row and multiply it by a number from the bottom row. Use columns to work out each multiplication.

27	36	49	58	64	73
2	3	4	5	8	10

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