



## Eleven Plus Maths How To Do - Multiplication of Decimals

When a number is multiplied by 10 it gets ten times bigger.

HTU . t h th

$$\begin{array}{r} 3. \\ 30. \end{array} \times 10$$

HTU . t h th

$$\begin{array}{r} 16. \\ 160. \end{array} \times 10$$

When multiplying by a decimal put the decimal point down. The decimal point does not move.

HTU . t h th

$$\begin{array}{r} 2.6 \\ 26.0 \end{array} \times 10$$

HTU . t h th

$$\begin{array}{r} 13. \\ 130. \end{array} \times 10$$

When you multiply by ten the decimal point does not move but the figures move one place to the left as they get ten times bigger.

3 units times 10 becomes 30

0.6 times 10 becomes 6.0

When you multiply by 100 the figures become 100 times bigger. The decimal point does not move. The figures move 2 places to the left.

Example:

HTU . t h th

$$6.0 \times 100$$

Th HTU . t h th

$$600.0$$

$$0.5 \times 10$$

$$5.0$$

$$20.3 \times 100$$

$$2030.$$