Short Multiplication

PLACE VALUE

Know that multiplication can be done in any order

Be able to multiply and divide by 10 100 and 1,000

Know times tables and linked division facts

Know that multiplication is repeated addition

Know linked tables and division facts

23 x 6 =

X	20	3
6	120	18

$$\begin{array}{r} 23 \\ 6 \times \\ \hline 18 \\ 120 \\ \hline 138 \end{array}$$

short multiplication contracted method

$$2\ 3$$
$$6\ \text{x}$$
$$\overline{}$$
$$1\ 3\ 8$$
$$\overline{}$$
$$1$$

342 × 7 becomes

```
      3   4   2
  ×           7
  _____
  2   3   9   4
        2   1
```

Answer: 2394

2741 × 6 becomes

```
      2   7   4   1
  ×               6
  _____
  1   6   4   4   6
          4   2
```

Answer: 16 446