This is the standard or efficient method recommended by the Primary Framework for Maths. There are other methods equally good, but it is important that children keep to one method that they become confident with. It presumes a good knowledge of tables before starting.

Let's multiply 436 by 7.

First, let's do an estimate of the answer.
436 x 7 is approximately 400 x 7 which is 2800. The answer will be over 2800.

$$\begin{array}{r} 4\,3\,6 \\ \times \quad 7 \\ \hline 3\,0\,5\,2 \\ {\scriptstyle 2\ \ 4} \end{array}$$

6 x 7 is 42. Put the 2 in the units and carry the 4 tens into the tens column, under the answer line.
3 (tens) x 7 is 21(tens). Add the 4 (tens). to make 25(tens).
Place the 5 in the tens column and carry the 2 (hundreds) into the hundreds column.

4 (hundreds) x 7 is 28 (hundreds). Add the 2 (hundreds) to make 30 (hundreds).
Place the zero in the hundreds column and the 3 in the thousands column.

So the answer is 3052.

Standard written multiplication: 3-digits by 1-digit.
Maths worksheets from mathsblog.co.uk

1. h t u

   1 3 8

   x 5

_____

_____

2. h t u

   2 4 5

   x 5

_____

_____

3. h t u

   1 6 7

   x 5

_____

_____

4. h t u

   1 4 9

   x 6

_____

_____

5. h t u

   2 0 7

   x 6

_____

_____

6. h t u

   3 3 6

   x 6

_____

_____

7. h t u

   1 2 6

   x 7

_____

_____

8. h t u

   2 3 5

   x 7

_____

_____

9. h t u

   1 7 8

   x 7

_____

_____

10. h t u

   2 1 9

   x 8

_____

_____

11. h t u

   3 4 8

   x 8

_____

_____

12. h t u

   4 0 6

   x 8

_____

_____

Answers

1. 690   2. 1225   3. 835

4. 894   5. 1242   6. 2016

7. 882   8. 1645   9. 1246

10. 1752   11. 2784   12. 3248

Lots more like this on the MathSphere, 'It's All Figured Out' worksheet CD www.mathsphere.co.uk