

This is the standard written method known as 'short multiplication'. It leads on from the earlier worksheets on 'Moving towards a standard method'.

The stages are as follows:

Step 1: **write the sum out correctly**

The question may be put in a different layout eg $38 \times 7 =$

Make sure it is laid out with the units under each other as shown.

$$\begin{array}{r} \text{t} \quad \text{u} \\ 38 \\ \times 7 \\ \hline \end{array}$$

Step 2: **multiply the units**

8 (units) \times 7 is 56 or 5 tens and 6 units.

Put the 6 in the answer in the units.

Place the 5 (tens) in the tens column, but under the answer line.

$$\begin{array}{r} \text{t} \quad \text{u} \\ 38 \\ \times 7 \\ \hline 6 \\ 5 \end{array}$$

Step 3: **multiply the tens**

3 (tens) \times 7 is 21 (tens).

Add the 5 (tens) to make 26 (tens) or 2 hundreds and 6 tens.

Place the 6 in the tens column and the 2 in the hundreds column.

Easy! All done!!

$$\begin{array}{r} \text{t} \quad \text{u} \\ 38 \\ \times 7 \\ \hline 266 \\ 5 \end{array}$$

1.

$$\begin{array}{r} \text{t} \quad \text{u} \\ 48 \\ \times 3 \\ \hline \\ \hline \end{array}$$

2.

$$\begin{array}{r} \text{t} \quad \text{u} \\ 57 \\ \times 5 \\ \hline \\ \hline \end{array}$$

3.

$$\begin{array}{r} \text{t} \quad \text{u} \\ 79 \\ \times 7 \\ \hline \\ \hline \end{array}$$

4.

$$\begin{array}{r} \text{t} \quad \text{u} \\ 63 \\ \times 4 \\ \hline \\ \hline \end{array}$$

5.

$$\begin{array}{r} \text{t} \quad \text{u} \\ 86 \\ \times 6 \\ \hline \\ \hline \end{array}$$

6.

$$\begin{array}{r} \text{t} \quad \text{u} \\ 74 \\ \times 8 \\ \hline \\ \hline \end{array}$$

7.

$$\begin{array}{r} \text{t} \quad \text{u} \\ 93 \\ \times 6 \\ \hline \\ \hline \end{array}$$

8.

$$\begin{array}{r} \text{t} \quad \text{u} \\ 62 \\ \times 7 \\ \hline \\ \hline \end{array}$$

9.

$$\begin{array}{r} \text{t} \quad \text{u} \\ 75 \\ \times 9 \\ \hline \\ \hline \end{array}$$

10.

$$\begin{array}{r} \text{t} \quad \text{u} \\ 48 \\ \times 7 \\ \hline \\ \hline \end{array}$$

11.

$$\begin{array}{r} \text{t} \quad \text{u} \\ 37 \\ \times 9 \\ \hline \\ \hline \end{array}$$

12.

$$\begin{array}{r} \text{t} \quad \text{u} \\ 69 \\ \times 8 \\ \hline \\ \hline \end{array}$$

Answers

1. 144 2. 285 3. 553

4. 252 5. 516 6. 592

7. 558 8. 434 9. 675

10. 336 11. 333 12. 552