

Using the multiplication grid method

One quick way to solve multiplication problems is to split one of the numbers up into the tens and units. We call this the grid method.

$$3 \times 21 = \begin{array}{r} \times \\ 3 \end{array} = 63$$

Have a go at using this grid method to work out the answers to these multiplication problems:

① 32×4

$$\begin{array}{r} \times \\ 4 \end{array} =$$

② 24×3

$$\begin{array}{r} \times \\ 3 \end{array} =$$

③ 24×8

$$\begin{array}{r} \times \\ 8 \end{array} =$$

④ 32×6

$$\begin{array}{r} \times \\ 6 \end{array} =$$

⑤ 32×5

$$\begin{array}{r} \times \\ 5 \end{array} =$$

⑥ 34×8

$$\begin{array}{r} \times \\ 8 \end{array} =$$

⑦ 43×5

$$\begin{array}{r} \times \\ 5 \end{array} =$$

⑧ 23×3

$$\begin{array}{r} \times \\ 3 \end{array} =$$

⑨ 25×7

$$\begin{array}{r} \times \\ 7 \end{array} =$$

⑩ 41×5

$$\begin{array}{r} \times \\ 5 \end{array} =$$

Now see if you can work out the answers to these multiplication problems by drawing your own grids:

11) $27 \times 5 =$

12) $33 \times 3 =$

13) $51 \times 5 =$

14) $66 \times 6 =$

15) $11 \times 7 =$

16) $21 \times 4 =$

ANSWERS

1) $32 \times 4 = 128$

2) $24 \times 3 = 72$

3) $24 \times 8 = 192$

4) $32 \times 6 = 192$

5) $32 \times 5 = 160$

6) $34 \times 8 = 272$

7) $43 \times 5 = 215$

8) $23 \times 3 = 69$

9) $25 \times 7 = 175$

10) $41 \times 5 = 205$

11) $27 \times 5 = 135$

12) $33 \times 3 = 99$

13) $51 \times 5 = 255$

14) $66 \times 6 = 396$

15) $11 \times 7 = 77$

16) $21 \times 4 = 84$