

Grid method multiplication

We have been using the grid method to multiply bigger numbers.

Example 1

Remember to approximate first;

$$39 \times 3 = \text{approximately } 40 \times 3 \text{ which is } 120$$

$$\begin{array}{r} X \quad 30 \quad 9 \\ 3 \quad \boxed{90} \quad \boxed{27} \end{array} = 117$$

Now check by looking back at your approximate answer.

Try these:

- | | |
|------------------|-------------------|
| 1) 42×4 | 6) 62×8 |
| 2) 35×3 | 7) 54×5 |
| 3) 23×7 | 8) 48×6 |
| 4) 46×5 | 9) 38×7 |
| 5) 28×4 | 10) 65×6 |

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$$\begin{array}{r} X \quad 30 \quad 9 \\ 3 \quad \boxed{90} \quad \boxed{27} \end{array} = 117$$

Now check by looking back at your approximate answer.

Try these;

- 1) 25×8
- 2) 42×9
- 3) 43×7
- 4) 58×4
- 5) 87×6

Example 2

Remember to approximate first;

$$123 \times 6 = \text{approximately } 120 \times 5 \text{ which is } 600$$

$$\begin{array}{r} X \quad 100 \quad 20 \quad 3 \\ 6 \quad \boxed{600} \quad \boxed{120} \quad \boxed{18} \end{array} = 738$$

Now check by looking back at your approximate answer.

Try these;

- 1) 127×4
- 2) 174×5
- 3) 223×3
- 4) 324×6
- 5) 543×4

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Example 2

Remember to approximate first;

$$123 \times 6 = \text{approximately } 120 \times 5 \text{ which is } 600$$

$$\begin{array}{r} X \quad 100 \quad 20 \quad 3 \\ 6 \quad \boxed{600} \quad \boxed{120} \quad \boxed{18} \end{array} = 738$$

Now check by looking back at your approximate answer.

Try these:

- | | |
|-------------------|--------------------|
| 1) 727×4 | 6) 598×7 |
| 2) 474×7 | 7) 477×8 |
| 3) 567×6 | 8) 582×9 |
| 4) 835×6 | 9) 688×8 |
| 5) 672×9 | 10) 999×4 |