

Multiplication - Grid Method

Grid method is a visual representation for multiplying two numbers together. Below are examples of how we teach grid method at Windy Arbor. This method can also be used when multiplying three digit numbers by two digit numbers.

$24 \times 3 =$

1. Partition 24 into tens and units.
2. $20 \times 3 = 60$
3. $3 \times 4 = 12$
4. $60 + 12 = 72$

	Tens	Units
X	20	4
3	60	12

$$\begin{array}{r} 60 \\ + 12 \\ \hline 72 \end{array}$$

	Tens	Units
x	20	4
30	600	120
2	40	8

$$\begin{array}{r} 600 \\ + 120 \\ \hline 40 \\ \hline 768 \end{array}$$

24×32

1. Partition 24 into tens and units.
2. Partition 32 into tens and units.
3. $30 \times 20 = 600$
4. $30 \times 4 = 120$
5. $2 \times 20 = 40$
6. $2 \times 4 = 8$
7. $600 + 120 + 40 + 8 = 768$