



ANCHOR CHART · GRADE 4 · 4.NBT.B.5

Multiplying 2-Digit by 1-Digit

$$24 \times 6$$

6 groups of 24 is just 6 groups of 20 and 6 groups of 4 - every road below uses that split.

1 Break It Apart

$$24 = 20 + 4$$

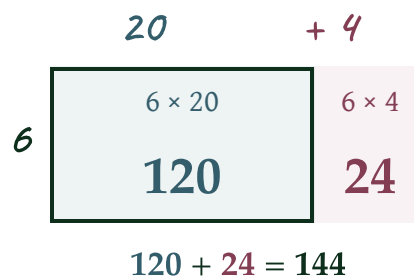
6 groups of 20 → 120

6 groups of 4 → 24

$$120 + 24 = 144$$

Same equal groups as 6×4 - the groups just got bigger.

2 Area Model



The width splits into $20 + 4$; each piece gets its own room.

3 Partial Products

$$\begin{array}{r}
 24 \\
 \times 6 \\
 \hline
 24 \quad \leftarrow 6 \times 4, \text{ the ones} \\
 + 120 \quad \leftarrow 6 \times 20, \text{ the tens} \\
 \hline
 144 \quad \leftarrow \text{add them}
 \end{array}$$

Write **every** product, then add. Nothing is hidden.

4 Standard Algorithm

$$\begin{array}{r}
 +2 \\
 24 \\
 \times 6 \\
 \hline
 144
 \end{array}$$

Step 1: $6 \times 4 = 24$. Write the 4, carry the 2 tens.

Step 2: 6×2 tens = 12 tens.

Step 3: $12 + 2 = 14$ tens → 144.

The shortcut version of #3 - the carry is the $6 \times 4 = 24$.