

Multiplication Strategies (3 x 1)

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264 x 3

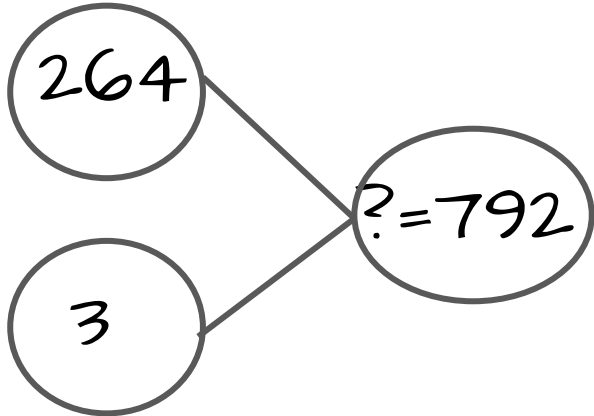
What does
this mean?

Picture

264 x 3

$$264 \times 3 = 3 \times 264$$

264 groups of 3



Partial
Product

Area
Model
(Matrix)

$$264 \times 3$$

$$200 \times 3 = 600$$

$$60 \times 3 = 180$$

$$4 \times 3 = \underline{12}$$

$$792$$

$$264 \times 3$$

	3	
200	600	600
+		
60	180	180
+		
4	12	<u>+ 12</u>

Distributive
Property

Traditional
Algorithm

$$264 \times 3$$

$$(200+60+4) \times 3$$

$$(200 \times 3) + (60 \times 3) + (4 \times 3)$$

$$600 + 180 + 12$$

$$700 + 90 + 2$$

$$792$$

$$264 \times 3$$

+ +

$$264$$

$$\begin{array}{r} \times \quad 3 \\ \hline \end{array}$$

$$792$$