

8·7

3·4

4·3

The Commutative Property  
for Multiplication

$$a \cdot b =$$

2·3·5

2·3·5

6·5

2·15

The Associative Property  
for Multiplication

$$(a \cdot b) \cdot c =$$

2·3·4

3·2·4

3·4·2

2·3·5

2·3·4·3

6·4

6·4

12·2

10

8

$$2 \cdot 3 \cdot 4 \cdot 5$$

$$6 \cdot 3 \cdot 2 \cdot 4 \cdot 7$$

$$12 \cdot 12 \cdot 7$$

$$144 \cdot 7$$

$$7 \cdot 144$$

$$7 \cdot (100 + 40 + 4)$$

$$700$$

$$\begin{array}{r} 144 \\ \times \quad 7 \\ \hline 28 \\ 280 \\ + 700 \\ \hline \end{array}$$

$$\begin{array}{r} 144 \\ \times \quad 7 \\ \hline \end{array}$$