



Partner Up!



Repeated Addition and Multiplication

Instructions: Solve each multiplication problem by creating equal groups. Show your work in each box. Use repeated addition to add and solve each multiplication problem, then write the equation represented by your model. Use the example to get started.

Example: $6 \times 5 = \underline{30}$

Show your work:

$$\begin{array}{ccccccc}
 \text{🍎} \text{🍎} \text{🍎} \text{🍎} \text{🍎} & + & \text{🍎} \text{🍎} \text{🍎} \text{🍎} \text{🍎} & + & \text{🍎} \text{🍎} \text{🍎} \text{🍎} \text{🍎} & & \\
 + & \text{🍎} \text{🍎} \text{🍎} \text{🍎} \text{🍎} & + & \text{🍎} \text{🍎} \text{🍎} \text{🍎} \text{🍎} & + & \text{🍎} \text{🍎} \text{🍎} \text{🍎} \text{🍎} & \\
 \end{array}
 \qquad
 \mathbf{5 + 5 + 5 + 5 + 5 + 5 = 30}$$

1. $4 \times 3 = \underline{12}$

$$\bullet \bullet \bullet + \bullet \bullet \bullet + \bullet \bullet \bullet + \bullet \bullet \bullet$$

$$3 + 3 + 3 + 3 = 12$$

2. $7 \times 2 = \underline{14}$

$$\bullet \bullet + \bullet \bullet + \bullet \bullet + \bullet \bullet + \bullet \bullet + \bullet \bullet + \bullet \bullet$$

$$2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$$

3. $3 \times 10 = \underline{30}$

$$\bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet + \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet + \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet$$

$$10 + 10 + 10 = 30$$

4. $9 \times 3 = \underline{27}$

$$\bullet \bullet \bullet + \bullet \bullet \bullet + \bullet \bullet \bullet + \bullet \bullet \bullet + \bullet \bullet \bullet + \bullet \bullet \bullet + \bullet \bullet \bullet + \bullet \bullet \bullet + \bullet \bullet \bullet$$

$$3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 27$$