

## B.6.5: Applying Array Models to the Properties of Division

Directions: Touch the top number, say its name and count backward on the TouchPoints of the bottom number in the correct order. Write the answer. Then say the problem and answer quietly.

$10 \div 2 = \underline{\quad}$

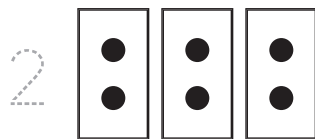
$12 \div 3 = \underline{\quad}$

$6 \div 1 = \underline{\quad}$

$6 \div 2 = \underline{\quad}$

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Modeling with Arrays: Use repeated subtraction to solve the division relationship below.



$6 - 2 = \square$

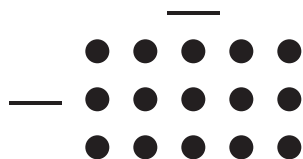
$6 \div 2 = \square$

$4 - 2 = \square$

$2 - 2 = \square$

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NextGen Math: Conceptual Understanding and Focus.



1. How many total dots are in the array?
2. What is the number of dots in each column group?
3. How many row groups are there?

### A.4.3: Repeated Addition with Mathematical Modeling

Directions: Solve the missing numbers by adding the number in each row, and write the answer.

$$\text{balloon} + 0 = \square$$

$$3 + 0 = \square$$

$$\text{balloon} + \text{balloon} = \square$$

$$3 + 3 = \square$$

$$\text{balloon} + \text{balloon} + \text{balloon} = \square$$

$$3 + 3 + 3 = \square$$

$$\text{balloon} + \text{balloon} + \text{balloon} + \text{balloon} = \square$$

$$3 + 3 + 3 + 3 = \square$$

$$\text{balloon} + \text{balloon} + \text{balloon} + \text{balloon} + \text{balloon} = \square$$

$$3 + 3 + 3 + 3 + 3 = \square$$

Modeling with Arrays: Use repeated addition to solve the number sentences below.

$$\begin{array}{ccccccc} \bullet & \bullet & + & \bullet & \bullet & = & \begin{array}{c} \bullet & \bullet \\ \bullet & \bullet \end{array} \\ 2 & & & 2 & & & 4 \end{array}$$

Solve the arrays below by adding two dots for each group.  
How many do you have total?

$$\begin{array}{|c|} \hline \\ \hline \end{array} \begin{array}{|c|} \hline \\ \hline \end{array} \begin{array}{|c|} \hline \\ \hline \end{array} = \underline{\quad}$$

Solve the arrays below by adding three dots for each group.  
How many do you have total?

$$\begin{array}{|c|} \hline \\ \hline \end{array} \begin{array}{|c|} \hline \\ \hline \end{array} \begin{array}{|c|} \hline \\ \hline \end{array} = \underline{\quad}$$