

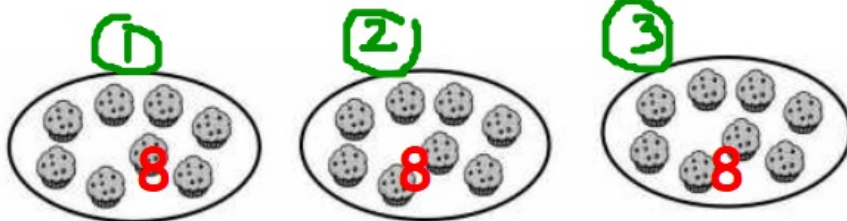
Date: _____

Chapter 12, Lesson A: Divide Using Multiplication (12.A.1)

Q1. Write the missing factor and the quotient.

a)	$6 \times \underline{8} = 48$	$\Leftrightarrow$	$48 \div 6 = \underline{8}$	quotient
b)	$\underline{9} \times 3 = 27$	$\Leftrightarrow$	$27 \div 3 = \underline{9}$	
c)	$4 \times \underline{6} = 24$	$\Leftrightarrow$	$24 \div 4 = \underline{6}$	
d)	$\underline{9} \times 9 = 81$	$\Leftrightarrow$	$81 \div 9 = \underline{9}$	

Q2. Write a multiplication sentence and a division sentence based on the diagram.



- Multiplication sentence:

groups $\times$ items in each group = product

$$\underline{3} \times \underline{8} = \underline{24}$$

- Division sentence:

total number of items $\div$ number of groups = items in each group

$$\underline{24} \div \underline{3} = \underline{8}$$

Q3. Multiply.

a) $15 \times 3 = \underline{45}$

b) $18 \times 5 = \underline{90}$

c) $36 \times 2 = \underline{72}$

d) $21 \times 4 = \underline{84}$

vertical	distributive
$\begin{array}{r} +1 \\ 15 \\ \times 3 \\ \hline 45 \end{array}$	$\begin{array}{l} 15 \times 3 = 45 \\ 10 \times 3 = 30 \\ 5 \times 3 = 15 \\ 30 + 15 = 45 \end{array} \quad +$
$\begin{array}{r} +4 \\ 18 \\ \times 5 \\ \hline 90 \end{array}$	$\begin{array}{l} 18 \times 5 = 90 \\ 10 \times 5 = 50 \\ 8 \times 5 = 40 \\ 50 + 40 = 90 \end{array} \quad +$
$\begin{array}{r} +1 \\ 36 \\ \times 2 \\ \hline 72 \end{array}$	$\begin{array}{l} 36 \times 2 = 72 \\ 30 \times 2 = 60 \\ 6 \times 2 = 12 \\ 60 + 12 = 72 \end{array} \quad +$
$\begin{array}{r} 21 \\ \times 4 \\ \hline 84 \end{array}$	$\begin{array}{l} 21 \times 4 = 84 \\ 20 \times 4 = 80 \\ 1 \times 4 = 4 \\ 80 + 4 = 84 \end{array} \quad +$

Q4. Anastasia uses these cards to write a multiplication fact.

$$\boxed{9} \times \boxed{5} = \boxed{45}$$

Use the same cards to write 2 **different** facts.

$$\boxed{45} \div \boxed{5} = \boxed{9}$$

$$\boxed{45} \div \boxed{9} = \boxed{5}$$