

Name: _____

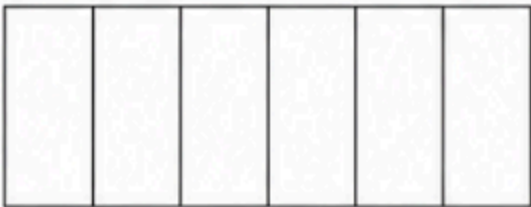
Date: _____

Division with Area Models

Division and multiplication are related. Use area models (rectangles) to represent the problem and solve. Think: **dividend ÷ divisor = quotient**

1. Use the area models to represent each division. Write the division sentence and the quotient.

a. $48 \div 6$



Division sentence: _____

Quotient: _____

b. $72 \div 8$



Division sentence: _____

Quotient: _____

c. $45 \div 5$



Division sentence: _____

Quotient: _____

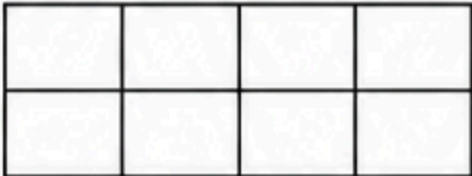
2. Use the area models to solve. Shade or label to show your thinking if it helps.

a. $56 \div 7$



How many in each group? _____

b. $84 \div 6$



How many in each group? _____

c. $96 \div 8$



How many in each group? _____

3. The area of each rectangle is shown. Complete the missing side length and write the division sentence.

a. 9



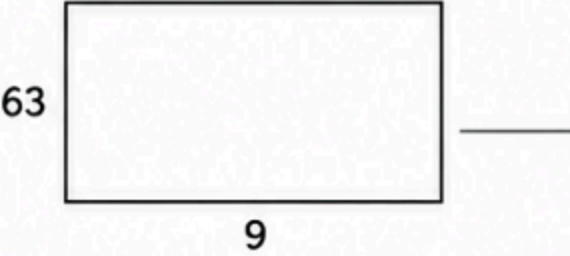
Division sentence: _____

b. 7



Division sentence: _____

c. 63



Division sentence: _____

4. Create your own division problems using area models. Then solve.

a.

Division sentence: _____

Quotient: _____

b.

Division sentence: _____

Quotient: _____