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.

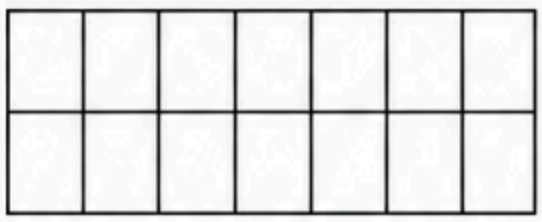
a. 48 ÷ 6



Division sentence: _____

Quotient: _____

b. 72 ÷ 8



Division sentence: _____

Quotient: _____

c. 45 ÷ 5



Division sentence: _____

Quotient: _____

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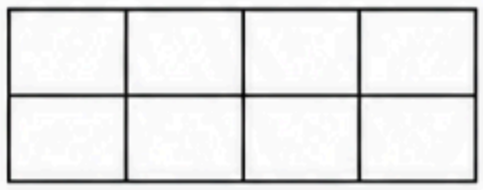
2. Use the area models to solve. Shade or label to show your thinking if it helps.

a. 56 ÷ 7



How many in each group? _____

b. 84 ÷ 6



How many in each group? _____

c. 96 ÷ 8



How many in each group? _____

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

a.

9

54 _____

Division sentence: _____

b.

7

_____ 70

Division sentence: _____

c.

63 _____

9

Division sentence: _____

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

a.

Division sentence: _____

Quotient: _____

b.

Division sentence: _____

Quotient: _____