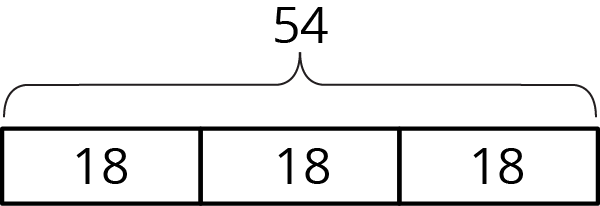
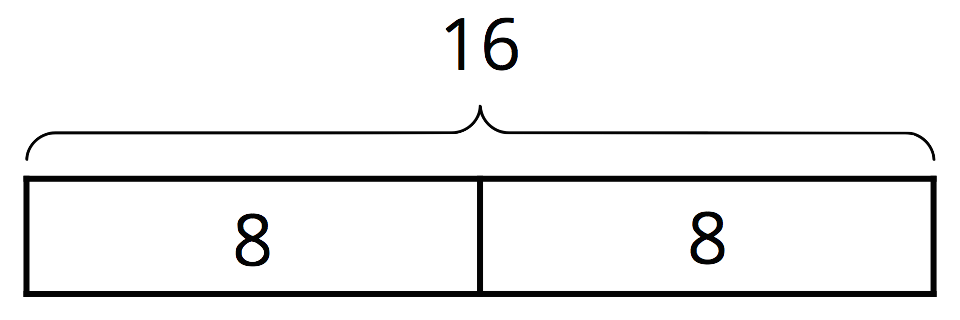
## Unit 4 Lesson 3 Cumulative Practice Problems

1. Write a multiplication equation and a division equation that this diagram could represent.

* 

1. Consider the problem: Mai has $36 to spend on movie tickets. Each movie ticket costs $4.50. How many tickets can she buy?
   1. Write a multiplication equation and a division equation to represent this situation.
   2. Find the answer. Draw a diagram, if needed.
   3. Use the multiplication equation to check your answer.
2. Kiran said that this diagram can show the solution to or , depending on how we think about the equations and the “?”.

* Explain or show how Kiran is correct.
* 

1. Write a sentence describing a situation that could be represented by the equation .

* (From Unit 4, Lesson 2.)

1. Noah said, “When you divide a number by a second number, the result will always be smaller than the first number.”

* Jada said, “I think the result could be larger or smaller, depending on the numbers.”
* Do you agree with either of them? Explain or show your reasoning.
* (From Unit 4, Lesson 1.)

1. Mini muffins cost $3.00 per dozen.
   * Andre says, “I have $2.00, so I can afford 8 muffins.”
   * Elena says, “I want to get 16 muffins, so I’ll need to pay $4.00."

* Do you agree with either of them? Explain your reasoning.
* (From Unit 3, Lesson 7.)

1. A family has a monthly budget of $2,400. How much money is spent on each category?
   1. 44% is spent on housing.
   2. 23% is spent on food.
   3. 6% is spent on clothing.
   4. 17% is spent on transportation.
   5. The rest is put into savings.

* (From Unit 3, Lesson 15.)



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