### Lesson 3 Practice Problems

1. Write a multiplication equation and a division equation that this diagram could represent.
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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 $16÷8=?$ or $16÷2=?$, depending on how we think about the equations and the “?”.
* Explain or show how Kiran is correct.
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1. Write a sentence describing a situation that could be represented by the equation $4÷1\frac{1}{3}=?$.
* (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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