## Unit 6 Lesson 5 Cumulative Practice Problems

1. Here are some prices customers paid for different items at a farmer’s market.  Find the cost for 1 pound of each item.
	1. $5 for 4 pounds of apples
	2. $3.50 for $\frac{1}{2}$ pound of cheese
	3. $8.25 for $1\frac{1}{2}$ pounds of coffee beans
	4. $6.75 for $\frac{3}{4}$ pounds of fudge
	5. $5.50 for a $6\frac{1}{4}$ pound pumpkin
* (From Unit 4, Lesson 2.)
1. Find the products.
	1. $\frac{2}{3}⋅\left(\frac{-4}{5}\right)$
	2. $\left(\frac{-5}{7}\right)⋅\left(\frac{7}{5}\right)$
	3. $\left(\frac{-2}{39}\right)⋅39$
	4. $\left(\frac{2}{5}\right)⋅\left(\frac{-3}{4}\right)$
* (From Unit 5, Lesson 9.)
1. Here are two stories:
	* A family buys 6 tickets to a show. They also *each* spend $3 on a snack. They spend $24 on the show.
	* Diego has 24 ounces of juice. He pours equal amounts for each of his 3 friends, and then adds 6 more ounces for each.
* Here are two equations:
	+ $3(x+6)=24$
	+ $6(x+3)=24$
	1. Which equation represents which story?
	2. What does $x$ represent in each equation?
	3. Find the solution to each equation. Explain or show your reasoning.
	4. What does each solution tell you about its situation?
1. Here is a diagram and its corresponding equation. Find the solution to the equation and explain your reasoning.
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* $6(x+1)=24$
1. Below is a set of data about temperatures. The *range* of a set of data is the distance between the lowest and highest value in the set. What is the range of these temperatures?
* $9^{∘}C,-3^{∘}C,22^{∘}C,-5^{∘}C,11^{∘}C,15^{∘}C$
* (From Unit 5, Lesson 7.)
1. A store is having a 25% off sale on all shirts. Show two different ways to calculate the sale price for a shirt that normally costs $24.
* (From Unit 4, Lesson 11.)



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