## Unit 6 Lesson 3 Cumulative Practice Problems

1. Select **all** the equations that represent the hanger.
* 
	1. $x+x+x=1+1+1+1+1+1$
	2. $x\boldcdotx\boldcdotx=6$
	3. $3x=6$
	4. $x+3=6$
	5. $x\boldcdotx\boldcdotx=1\boldcdot1\boldcdot1\boldcdot1\boldcdot1\boldcdot1$
1. Write an equation to represent each hanger.
* 
	1. Write an equation to represent the hanger.
	2. Explain how to reason with the hanger to find the value of $x$.
	3. Explain how to reason with the equation to find the value of $x$.
* 
1. Andre says that $x$ is 7 because he can move the two 1s with the $x$ to the other side.
* 
* Do you agree with Andre? Explain your reasoning.
1. Match each equation to one of the diagrams.
	1. $12−m=4$
	2. $12=4⋅m$
	3. $m−4=12$
	4. $\frac{m}{4}=12$
* 
* (From Unit 6, Lesson 1.)
1. The area of a rectangle is 14 square units. It has side lengths $x$ and $y$. Given each value for $x$, find $y$.
	1. $x=2\frac{1}{3}$
	2. $x=4\frac{1}{5}$
	3. $x=\frac{7}{6}$
* (From Unit 4, Lesson 13.)
1. Lin needs to save up $20 for a new game. How much money does she have if she has saved each percentage of her goal. Explain your reasoning.
	1. 25%
	2. 75%
	3. 125%
* (From Unit 3, Lesson 11.)



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