## Unit 6 Lesson 4 Cumulative Practice Problems

1. Select **all** the equations that describe each situation and then find the solution.
	1. Kiran’s backpack weighs 3 pounds less than Clare’s backpack. Clare’s backpack weighs 14 pounds. How much does Kiran’s backpack weigh?
		* $x+3=14$
		* $3x=14$
		* $x=14−3$
		* $x=14÷3$
	2. Each notebook contains 60 sheets of paper. Andre has 5 notebooks. How many sheets of paper do Andre’s notebooks contain?
		* $y=60÷5$
		* $y=5⋅60$
		* $\frac{y}{5}=60$
		* $5y=60$
2. Solve each equation.
	1. $2x=5$
	2. $y+1.8=14.7$
	3. $6=\frac{1}{2}z$
	4. $3\frac{1}{4}=\frac{1}{2}+w$
	5. $2.5t=10$
3. For each equation, draw a tape diagram that represents the equation.
	1. $3⋅x=18$
	2. $3+x=18$
	3. $17−6=x$
* (From Unit 6, Lesson 1.)
1. Find each product.
* $(21.2)⋅(0.02)$
* $(2.05)⋅(0.004)$
*
* (From Unit 5, Lesson 8.)
1. For a science experiment, students need to find 25% of 60 grams.
	* Jada says, “I can find this by calculating $\frac{1}{4}$ of 60.”
	* Andre says, “25% of 60 means $\frac{25}{100}⋅60$.”
* Do you agree with either of them? Explain your reasoning.
* (From Unit 3, Lesson 13.)



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