### Lesson 18 Practice Problems

1. The value of $x$ is $\frac{-1}{4}$. Order these expressions from least to greatest:
* $x$
* $1−x$
* $x−1$
* $-1÷x$
*
1. Here are four expressions that have the value $\frac{-1}{2}$:
* $\frac{-1}{4}+\left(\frac{-1}{4}\right)$
* $\frac{1}{2}−1$
* $-2⋅\frac{1}{4}$
* $-1÷2$
* Write five expressions: a sum, a difference, a product, a quotient, and one that involves at least two operations that have the value $\frac{-3}{4}$.
1. Find the value of each expression.
	1. $-22+5$
	2. $-22−\left(-5\right)$
	3. $\left(-22\right)\left(-5\right)$
	4. $-22÷5$
2. The price of an ice cream cone is $3.25, but it costs $3.51 with tax. What is the sales tax rate?
* (From Unit 6, Lesson 7.)
1. Here are 4 points on a coordinate plane.
* 
	1. Label each point with its coordinates.
	2. Plot a point that is 3 units from point $K$. Label it $P$.
	3. Plot a point that is 2 units from point $M$. Label it $W$.
* (From Unit 7, Lesson 13.)
1. A furniture store pays a wholesale price for a mattress. Then, the store marks up the retail price to 150% of the wholesale price. Later, they put the mattress on sale for 50% off of the retail price. A customer just bought the mattress on sale and paid $1,200.
	1. What was the retail price of the mattress, before the discount?
	2. What was the wholesale price, before the markup?
* (From Unit 6, Lesson 8.)



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