PRACTICE 1

- Use each of the numbers 2, 5, and 8 once to write an expression for each target value.
- Use any operation symbols or grouping symbols necessary.
- Simplify your expression to show it is equal to the target value.

	Target Value	Expression
1.	15	
2.	5	
3.	2	
4.	9	
5.	20	

Write an expression to match each statement.

6.	a.	Sarah has 5 ribbons. Connie has 3 times as many ribbons as Sarah. Write an expression for the number of Connie's ribbons: _____
	b.	Sarah has x ribbons. Connie has 3 times as many ribbons as Sarah. Write an expression for the number of Connie's ribbons: _____
7.	a.	Salim has 20 crackers. He puts them into 5 equal groups. Write an expression for the number of crackers in each group: _____
	b.	Salim has m crackers. He puts them into 5 equal groups. Write an expression for the number of crackers in each group: _____

WHAT'S WRONG HERE?

Each expression is evaluated **<u>incorrectly</u>**. For each expression, make the correction, explain the error, and try to rewrite the expression so each original expression is correct. (Hint: Consider using parenthesis for multiplication or grouping, or a fraction bar for division.)

	Expression evaluated **incorrectly**	Explain the error.	Rework the original problem, and give the correct answer.	Rewrite the expression so original answer is correct.
1.	$8 \div 2 \bullet 2$ $= 8 \div 4$ $= 2$	The division comes before the multiplication going from left to right.	$8 \div 2 \bullet 2$ $= 4 \bullet 2$ $=$ ____	$8 \div (2 \bullet 2)$ $= 8 \div$ ____ $= 2$
2.	$3 + 4 \bullet 2$ $= 7 \bullet 2$ $= 14$		$3 + 4 \bullet 2$	 $= 14$
3.	-3^2 $= (-3)(-3)$ $= 9$			
4.	$-(5+2)$ $= -5 + 2$ $= -3$			
5.	$4 + 12 \div 2 \bullet 2$ $= 16 \div 4$ $= 4$			
6.	$3 \bullet 4^2 + 10$ $= 12^2 + 10$ $= 144 + 10$ $= 154$			