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Wording for the legal statement above is adapted from the legal statement for *Trigonometry*, published in 2009 by The cK-12 Foundation: http://about.ck12.org/

Lesson Planning:

- 1.6 goals:
 - o Order Ops
 - o Identifying the numbers that add one time or repeatedly, and calculating
 - o Into to writing expression
- 1.7 goals:
 - Styrofoam cup activity.
 - Students are first given 1 cup and a ruler. They are asked to predict how tall a stack of 10 cups will be (in cm).
 - To get the other 9 cups (to check their prediction), they will need to first show me their prediction.
 - o Parsing the written story (again)
 - o Writing the expression
- 1.8 goals:
 - o Multiple representations:
 - Table → story → expression
 - Graph → expression → story
 - Etc

Pizza Delivery, Minimum Wage, and Life

#1-4 will be part of the whole-class discussion (see teacher materials).

Prac	<u>ctice</u>	
5).		ARIO: At lunch, Jerome is eating chicken nuggets. There are about 47 calories per nugget. He eady eaten a McDonald's McDouble, which has 390 calories.
	a). I	How many total calories will he have eaten after 2 nuggets?
	b). I	How many total calories will he have eaten after 6 nuggets
	c). I	How many total calories will he have eaten after 12 nuggets?
	d). I	Let $x = $ the number of nuggets he eats. Write an expression for the total calories consumed.
	gov	lote: The total amount of cholesterol in a McDouble and 12 chicken nuggets is 170 mg. The ernment recommends eating less than 300 mg of cholesterol in a day. So in one meal, you ald have eaten over half your day's cholesterol.
		rces: http://nutrition.mcdonalds.com/nutritionexchange/nutritionfacts.pdf and o://www.health.gov/dietaryguidelines/dga2005/recommendations.htm, retrieved 7/1/10.
<u>Exai</u>	uple:	
6).		ARIO: When the whistle is blown, Angelique is 2 ft. from the coach. She starts sprinting at about 19 ft/s.
	a)	What is the repeated amount?
		> How do you know?
	b	What is the one-time amount?

c) How far from the coach will Angelique be after 8 s? (Show work).

(d) How far from the coach will Angelique be after 17s? (Show work).
(e) Let t = the time (in seconds) that Angelique has been running. Write an expression for her distance from the coach.
<u>Pract</u> 7).	SCENARIO: On his birthday, Jamar started saving up to buy an Xbox. Every day he makes sure to
	save another \$3. He also saved \$50 that he got as a birthday present. • What is the repeated amount?
	How do you know?
	What is the one-time amount?
	 How much money will Jamar have saved after 15 days? (Show work).
	• How much money will Jamar have saved after 22 days? (Show work).
	Write an expression for the total amount of money saved.

Independent Practice:

8).	SCENARIO: Felicia starts off on 7 Mile Road. She walks north (toward the higher mile road numbers) at a rate of 2.5 miles per hour.
	What is the repeated amount?
	How do you know?
	What is the one-time amount?
	• Where would she end up if she kept walking for 6 hours? (Show work).
	 Where would she end up if she walked for 10 hours? (Show work).
	Where would she that up it she walked for 10 hours: (Show work).
	• Let $t =$ the time (in hours) that she walks. Write an expression for her final location.

Homework

1). SCENARIO: Charles is on the track team. He ran 1 mile to get from home to athletic field, and now he is running laps around the track. Each lap is 0.25 miles.

What is the repeated amount? ______

> How do you know?_____

What is the one-time amount? _______

• How many total miles will he have run after 15 laps? (Show work).

• How many total miles will he have run after33 laps? (Show work).

• Let l = the number of laps. Write an expression for his total distance.

2. Please evaluate:

a).
$$2 + 4(3 + 11) - 10$$

b).
$$18 - 15 \div 3 \times 2$$

c).
$$4(3 + 5(10 - 8))$$

3. If you make \$9/hour, how long will it take you to earn \$840? (Show work, as always)