	DONC	
lame:	+	Date:
Ar. Williams	CAMBRIDGE	Class:

NUKE

**Topic: Operations with Rational Numbers** 

<u>CCSS</u>: 7.NS.A.1a, 7.NS.A.1b, 7.NS.A.1c, 7.NS.A.2a, 7.NS.A.2b, 7.NS.A.2c, and 7.NS.A.2d

## Weekly Quiz

1.		writes each fractio in terminate or rep	on below as a decimal. Will the decimal Steat?	cott writes
	Choose Termina	ates or Repeats for	each fraction.	
	<b>a</b> . $\frac{7}{15}$	☐ Terminates	Repeats	
	<b>b</b> . $\frac{3}{15}$	☐ Terminates	Repeats	
	c. $\frac{8}{15}$	☐ Terminates	Repeats	
	d. $\frac{6}{15}$	Terminates	Repeats	

_	Determine if each expression is equivalent to $-2.7 + (-4.9)$
2.	

Choose Yes or No for each expression.

a. -2.7 - 4.9

- ☐ Yes ☐ No
- **b**. -2.7 + (-0.4 4.5)
- Yes No
- c. -2.7 + 0.4 4.5
- ☐ Yes ☐ No
- d. -2.7 + (-0.7) + (-4.2)
- ☐ Yes ☐ No
- e. -2.7 0.7 + 4.2
- Yes No

## 3. The table shows yesterday's change in value of four different stocks.

Stock	Change in Value
Α	-\$1.25
В	-\$0.50
c	-\$1.50
D	-\$0.25

Which of the following statements are true?

Choose all that apply.

- A The change in value of Stock A is 5 times as much as the change in value of Stock D.
- B The change in value of Stock B is 4 times as much as the change in value of Stock A.
- C The change in value of Stock C is 3 times as much as the change in value of Stock B.
- D The change in value of Stock D is 2 times as much as the change in value of Stock B.

4.

Mike watches a caterpillar climbing on a tree trunk. He writes the expression  $-\frac{5}{8} - \left(-\frac{1}{8} - \frac{1}{2}\right)$  to show the change, in feet, of the caterpillar's height on the tree trunk.

Part A

Which of the following expressions are equivalent to  $-\frac{5}{8} - \left(-\frac{1}{8} - \frac{1}{2}\right)$ ? Choose all that apply.

$$A = -\frac{5}{8} + (\frac{1}{8} + \frac{1}{2})$$

D 
$$-\frac{5}{8} - \left(-\frac{1}{8} + \left(-\frac{1}{2}\right)\right)$$

B 
$$-\frac{5}{8} + \frac{5}{8}$$

$$= -\frac{5}{8} + (\frac{1}{8} - \frac{1}{2})$$

$$-\frac{5}{8} - (\frac{1}{8} + \frac{1}{2})$$

$$\mathbf{F} = -\frac{5}{8} - \frac{1}{8} - \frac{1}{2}$$

Part B

What is the overall change in the caterpillar's height on the tree trunk, in feet? **Show your work.** 

4		-		. 1	_ 4
An	swer	•		te	Ω)

5.

A whale descends 382.5 feet in 45 seconds.

Part A

Write an expression that can be used to find the average elevation change of the whale during its descent, in feet per second.

/11/3//Cii	Answer:	
------------	---------	--

Part B

The whale's elevation changes at a constant rate. What is the elevation change of the whale after 6 seconds?

Show your work.