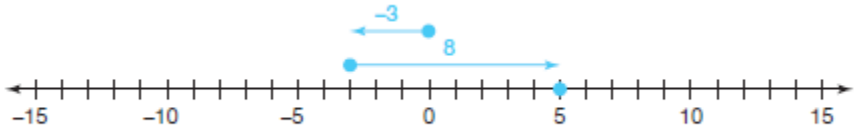
Name_____

Answer each of the following questions ***Show your work to prove how you know.***

1. Mrs. Hattori bought weekly lunch tickets for each of her **four** children. Weekly lunch tickets cost $6.40 each. One week, Mrs. Hattori paid for the lunch tickets with two twenty dollar bills. What is the correct change she should receive from the two twenty-dollar bills?

2. Write an equation that can be modeled by the number line below.



3. What is the value of the expression?

$$19\frac{3}{5} - 27.25$$

4. If the product of 6 integers is positive, at most how many of the integers can be negative? Show reasoning, examples, etc. to prove your answer.

5. After being dropped a certain ball always bounces back to $\frac{2}{5}$ of the height of its previous bounce. After the first bounce it reaches a height of 125 inches. How high (in inches) will it reach after its fourth bounce? Show your work.

6. Determine the value of the expression. Show your work.

$(8 + - 4 \frac{1}{3}) \cdot 1.4$

7. What number is half way between **–8** and **6**? Show your work.

8. Jonathan, Connie, Karen & Beth take part in a quiz. The quiz consists of ten questions. Here are their results.

	Jonathan	**Connie**	**Karen**	**Beth**
Number of **correct** answers	1	2	6	5
Number o**f incorrect** answers	5	4	1	4
Number of questions **not attempted**	4	4	3	1

A **correct** answer scores **4** points.
An **incorrect** answer scores **minus 3** points.
A question **not attempted** scores **0** points.

This is how Jonathan works out his total score:
1 x 4 = 4 points, 5 x -3 = - 15 points, and 4 x 0 = 0 points = - 9 points

A. Who scores the most points? Show how you figured it out.

B. One of the rules is changed. **A question not attempted scores minus 2 points**.

Who scores the most points? Show how you figured it out.