**Explore: Integer Poster**

LT: I can interpret the use of positive and negative numbers to represent real-world situations.

LT: I can use a number line to represent positive and negative number quantities in the real world.

HOS LT: Craftsmanship: 16. I can consistently create work with attention to accuracy, detail, and/or beauty.

HOS LT: Commitment: 20. I can consistently complete classwork on time.

**Directions:** You are going to make drawings to represent the following real life situations involving positive and negative

 quantities.

**CHOOSE THREE OF THE FOLLOWING SITUATIONS. THEN WRITE AND ILLUSTRATE ONE OF YOUR OWN.**

1. Fold your paper into four boxes.
2. Read each problem carefully looking for key words.
3. Cut out the 3 problems you choose and paste one in each box.
4. Using a number line, draw a picture to represent the situation, be sure to show the starting and ending places.
5. Then write your own problem following the same pattern as the other three.

Repeat step #4 with your own problem.

**REAL LIFE SITUATIONS:**

1. Jack was on a quiz show.

c) The elevator started on the 3rd floor,

and rose up 5 floors then

came down 7 floors.

d) Jose had $8 in his pocket.

His uncle gave him another $5 and

then he spent $10 on a new shirt.

He had a score of 10 points.

He got the next question wrong

and lost 15 points.

1. The quarterback was standing on the 5 yard line.

He gained 6 yards and

then lost 8 yards.

Integer Poster Rubric

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 3D |
| CONTENT | 1 of the 4 number lines reflect the problem situations. The starting and ending points may or may not be clearly labeled. | 2 or 3 of the number lines reflect the problem situations. The starting and ending points may or may not be clearly labeled. | 3 of the 4 number lines reflect the problem situations. The starting and ending points are clearly labeled. | All 4 number lines reflect the problem situations. The starting and ending points are clearly labeled.  |
| CRAFTSMANSHIP | I did not produce high-quality work that was visually appealing. Care was not taken for proper spacing. Many of the numbers were hard to read. Color may or may not have been used.  | My final product displayed some attention to accuracy, detail, and/or beauty. Care was not taken for proper spacing. Some of the numbers were hard to read. Color may or may not have been used.  | My final product displayed some attention to accuracy, detail, and/or beauty. Color was used.  | My final product displayed attention to accuracy, detail, and/or beauty. Extra effort was made to produce a product that was engaging and drew others in.  |
| COMMITMENT  | I did not use class time to focus on the project AND/OR often distracted others.  | I used some of my time well during each class period. There was some focus on getting the project done but occasionally I distracted others. | I used my time well during each class period. I usually focused on getting the project done and rarely distracted others.  | I used my time well during each class period. I focused on completing the project and rarely distracted others. |