

# Weekly "WOW" #2

Name: \_\_\_\_\_ Hour: \_\_\_\_\_

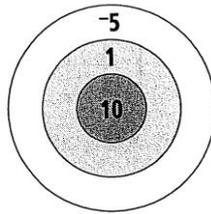
Complete 3 squares total. **MUST** be in a row and the center **MUST** be completed.

The list below gives average temperatures (in degrees Celsius) for Fairbanks, Alaska, for each month of the year from January through December.

-25, -20, -13, -2, +9, +15, +17, +14, -4, -16, -23

- What is the median of these monthly temperatures?
- What is the range of these monthly temperatures (lowest to highest)?

Lauren made up a game of darts for a party. To play the game, you throw darts at the board and then total your points. The highest score wins. Everyone at the party played the game several times. List all possible scores for three darts if all three hit the target.



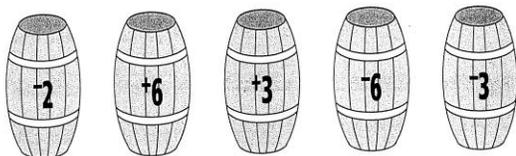
For every 3 minutes that Sarah reads a book, her parents allow her to spend 5 minutes on the computer. If she wants to watch a  $1\frac{1}{2}$  hour webcast, how long will she need to read?

Mr. Batdorff planted a vegetable garden,  $\frac{1}{2}$  of which was in tomatoes. He planted  $\frac{1}{4}$  of the remaining ground in carrots. He then planted lettuce in  $\frac{1}{2}$  of the rest. The amount that remained was planted in corn. What percent of his garden was planted in corn?

This week we have worked with addition of integers. Explain with complete sentences how you can decide whether the sum of two integers will be positive, negative, or zero? Give an example to support each type of sum.

A rectangular prism is 18 inches tall and has a square base whose length is 9 inches. Find the surface area of the prism.

In the fifteenth century, European flour merchants used positive and negative numbers. If the merchants wrote +5 on a flour barrel, it meant that the barrel was 5 pounds overweight; -5 meant that a barrel was 5 pounds underweight. Suppose five 100-pound barrels are labeled as shown below:



Do the five barrels contain more or less than 500 pounds altogether? Explain how much more or less.

Students at a school picnic can choose either a hamburger or a hotdog. They can also choose among ketchup, mustard, and cheese for toppings. If students can have all, some, or none of the toppings, how many different sandwiches can be made?

Suppose the Rocky Mountains have 72 centimeters of snow. Warmer weather is melting the snow at a rate of 5.8 cm a day. If the snow continues to melt at this rate, after seven days of the warm weather, how much snow will be left?

