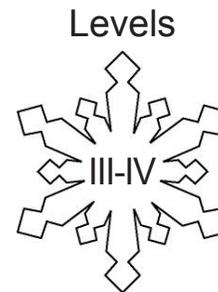




Name: \_\_\_\_\_

# Student Network for Observing Weather Student Worksheet



**Directions:** Go to the ACMP website (<http://www.ArcticClimateModeling.com>) and access the Student Network for Observing Weather. Select 'View Data', then 'Show All Weather Stations.' Fill in the chart below with the temperature at each available school for the date your teacher selects.

## School Temperature Data on \_\_\_\_\_ (date)

School	Temperature
Brevig Mission	
Diomedede	
Elim	
Gambell	
Golovin	
Koyuk	
Savoonga	
Shaktoolik	
Shishmaref	
St. Michael	
Stebbins	
Teller	
Unakleet	
Wales	
White Mountain	

Use the data above to calculate the average temperature that day in your school district. Before performing the calculation, look at the data and estimate what you think the average temperature will be:

1. Estimate the average temperature in the school district for the week: \_\_\_\_\_ °F
2. Find the actual average temperature (remember to label your answer in degrees Fahrenheit):
3. Was your estimate close to the actual answer? Explain.

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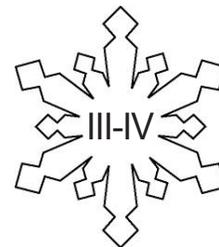
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Name: \_\_\_\_\_

## Finding Average Temperature Student Worksheet

Levels



1. Using the data below, calculate the average temperature over the course of five days.

Day 1: 45 degrees F

Day 2: 46 degrees F

Day 3: 55 degrees F

Day 4: 60 degrees F

Day 5: 61 degrees F

To find the average daily temperature, add the temperatures together to get a total. Divide that total by the number of temperatures (in this case, 5). The result is the average daily temperature.

$$\underline{\hspace{2cm}}^{\circ}\text{F} + \underline{\hspace{2cm}}^{\circ}\text{F} + \underline{\hspace{2cm}}^{\circ}\text{F} + \underline{\hspace{2cm}}^{\circ}\text{F} + \underline{\hspace{2cm}}^{\circ}\text{F} = \underline{\hspace{2cm}}^{\circ}\text{F}$$

day1            day 2            day 3            day 4            day 5            total

$$\text{Total} \div 5 = \underline{\hspace{2cm}}^{\circ}\text{F} \text{ (average temperature)}$$

2. Calculate the average of the following temperatures. Note: since there are SIX temperatures you divide the total by SIX. Write the formula as shown above.

Temp 1: 30 degrees F

Temp 2: 32 degrees F

Temp 3: 28 degrees F

Temp 4: 27 degrees F

Temp 5: 33 degrees F

Temp 6: 33 degrees F