

POST TEST

Picking Berries: Connection Between Data Collection, Graphing, and Measuring

Math in a Cultural Context*

UNIVERSITY OF ALASKA FAIRBANKS

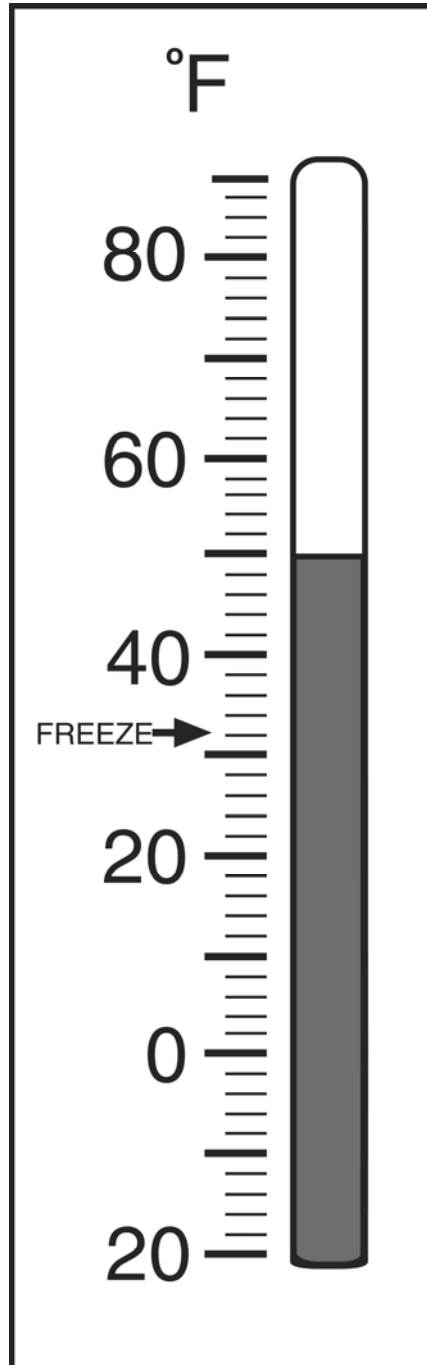
Student Name:
Grade:
Teacher:
School:
Location of School:
Date:

*This project has been funded by the U.S. Department of Education, *Returning the Gift: Systemic Implementation of an Effective Culturally Based Math Curriculum and Professional Development Program*, Jerry Lipka, P.I.

Total Score:

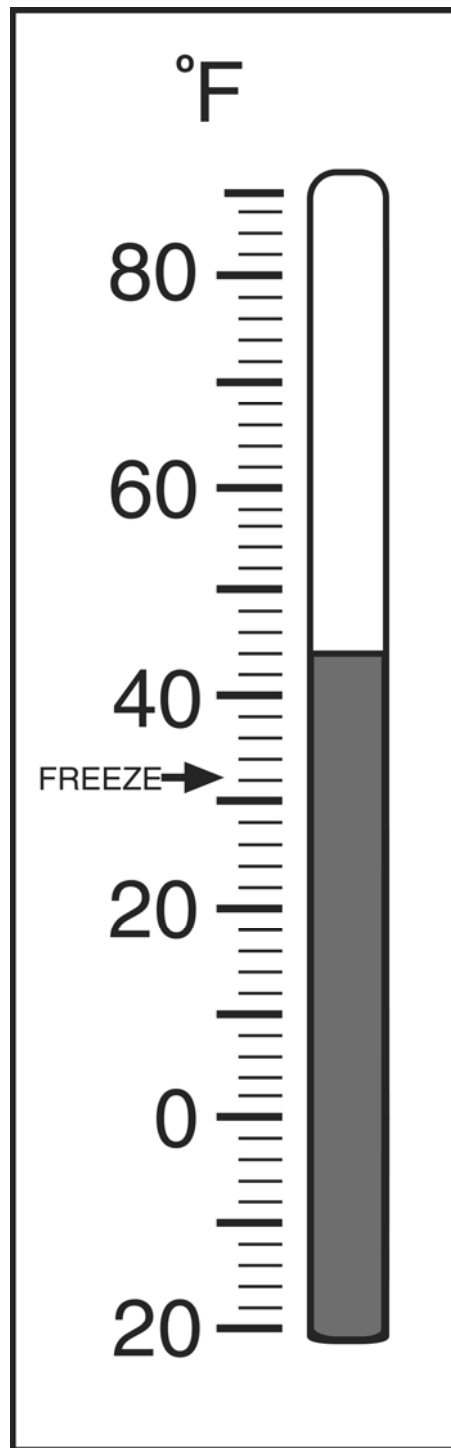
POST-TEST

1a. What temperature is shown on the thermometer?



Write the temperature here _____°F

1b. What temperature is shown on the thermometer?



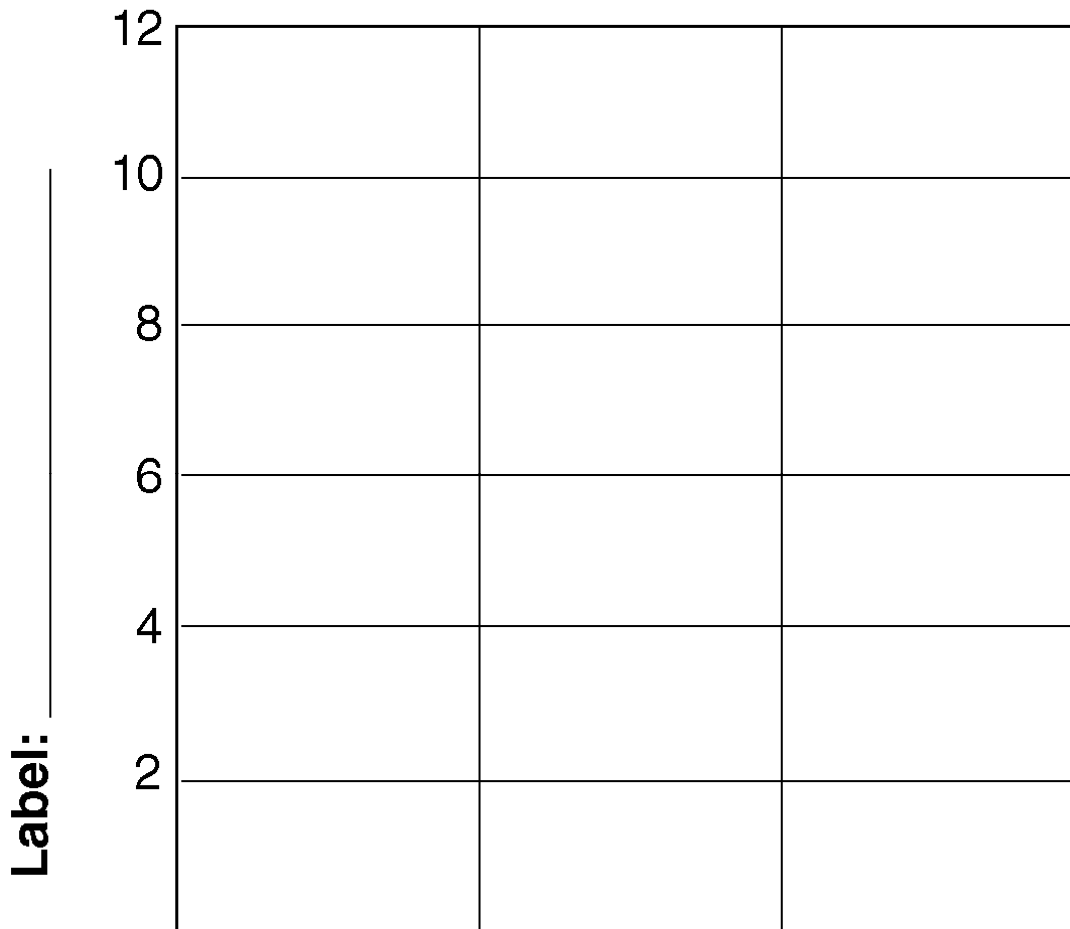
Write the temperature here. _____ °F

2. Below is a grid. Place the letter K in the space 2B.

D				
C				
B				
A				
	1	2	3	4

3. The students voted for their favorite animals: 9 said wolves, 4 said eagles, and 6 said raven. Fill in this graph. Give it a title and fill in the labels.



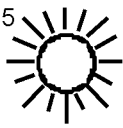

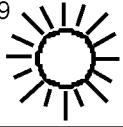



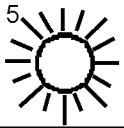


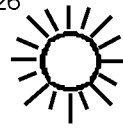



Title: _____



Label: _____

4. The calendar shows the number of days that it was

sunny () , cloudy () , and rainy () .

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3 	4 	5 	6	7 
8	9 	10	11	12 	13 	14 
15 	16	17	18	19 	20	21 
22	23	24	25	26 	27	28 
29 	30 					

a. How many days was it sunny? _____

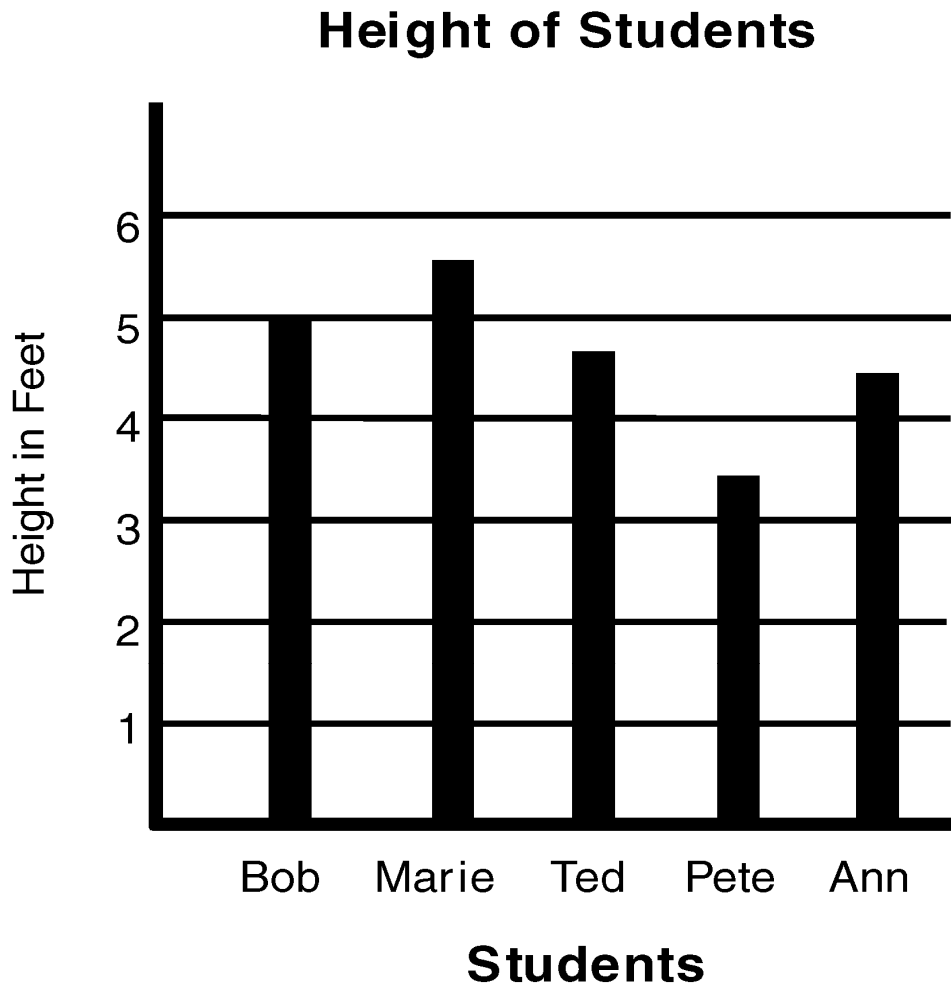
b. How many days was it cloudy? _____

c. How many days was it rainy? _____

d. Make a table to show the number of days of sun, clouds, and rain, and write a title for the table.

Title: _____

5. Below is a graph showing the height of students.








a. Name the tallest student: _____

b. Name the shortest student: _____

c. Name the students who are taller than Ann:

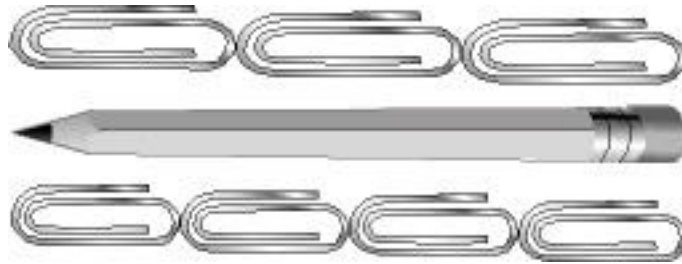
6. Use the following table to answer the questions below.

Days	Weather	Temperature
Monday		50°F
Tuesday		40°F
Wednesday		35°F
Thursday		38°F
Friday		45°F

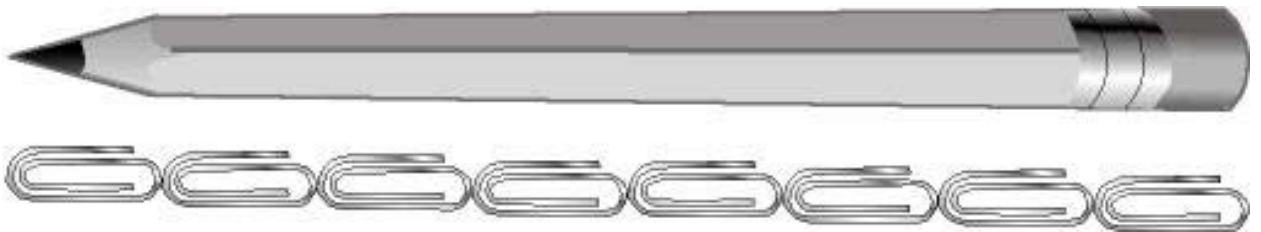
Circle true or false to answer the questions.

- a. Wednesday was 35° F. True or False
- b. Thursday was the warmest day. True or False
- c. Monday was cloudy. True or False
- d. Tuesday was sunny. True or False
- e. Wednesday was the coldest day of the school week. True or False

7. Above the pencil is a row of large paper clips the same length as the pencil. Below the pencil is another row of smaller paper clips the same length as the pencil.



- a. How many large paper clips long is the pencil? _____
- b. How many small paper clips long is the pencil? _____
- c. Pete measured the pencil below with the smaller paper clips and found it was 8 paper clips long. How many large paper clips long is Pete's pencil? _____

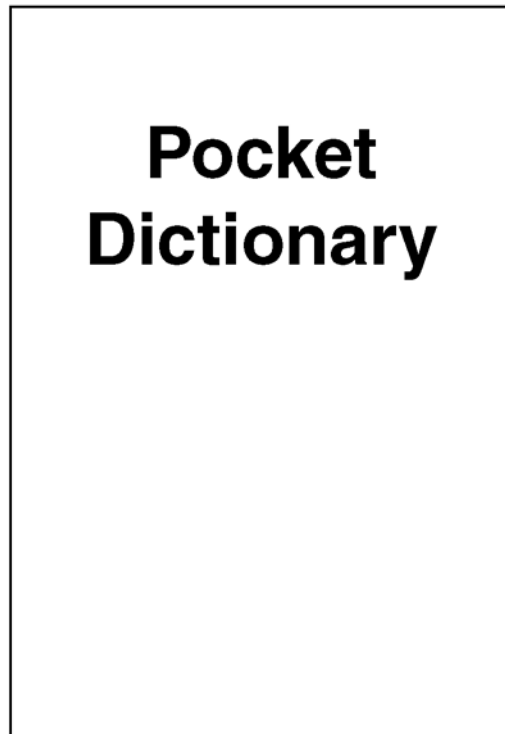


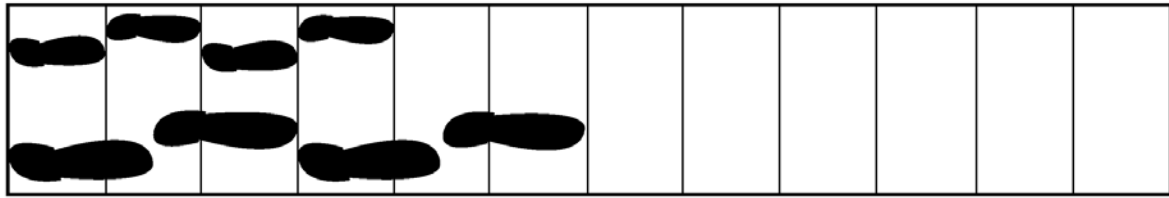
8. Sophie is trying to measure this book with her ruler. She says the book is 8 centimeters long. Do you agree?

a. Circle the answer: Yes or No

If you disagree with Sophie, what is the length of the book?

b. Write your answer here: _____





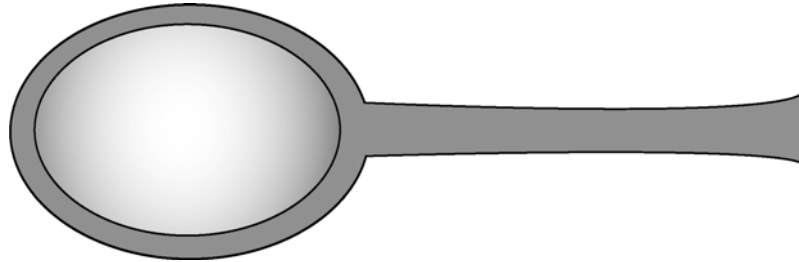
9. Mary and Dad are walking on the boardwalk with their muddy boots. Mary has smaller feet. Her footprints are on top. Dad's bigger footprints are on the bottom.
- a. How many of Mary's footprints will fit on the boardwalk?

Write the answer here _____

- b. How many of Dad's footprints will fit on the boardwalk?

Write the answer here _____

10. Tim broke his ruler, but he uses the broken ruler to measure the spoon anyway.



Use the broken ruler to measure the spoon.

How long is the spoon? _____ units long

11. Use the regular ruler that is not broken to measure the lines.

a. How long is the black line below?



Write your answer here _____ units.

b. How long is the black line below?



Write your answer here _____ units.