

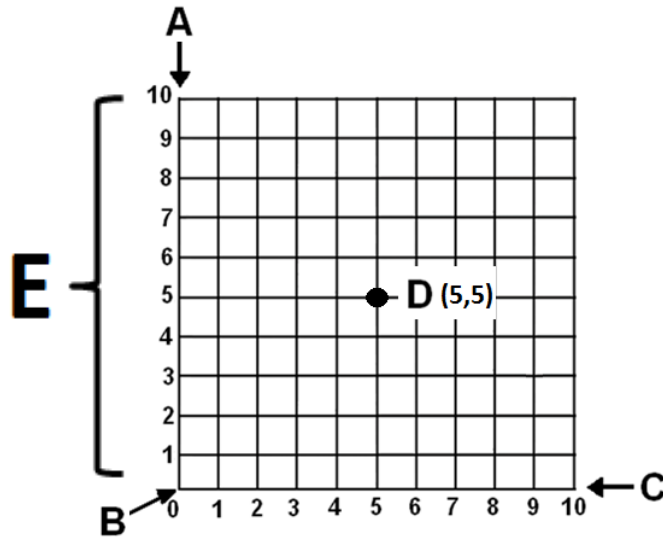
Name _____ Date _____

Power Standard 10

Practice Test

Vocabulary:

- 1) X axis _____
- 2) Y axis _____
- 3) Ordered Pair _____
- 4) Origin _____
- 5) Scale _____
- 6) Define the term *interval*.



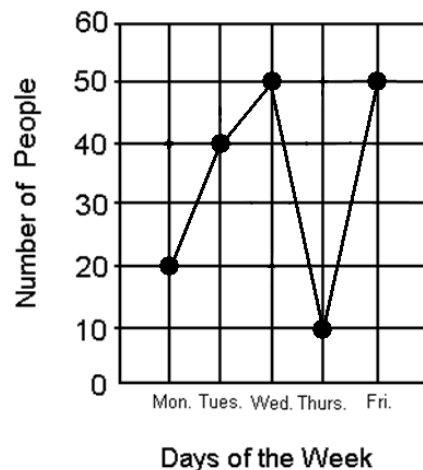
7) During which two-day period did the number of people volunteering increase the most?

- a. Monday to Tuesday
- b. Tuesday to Wednesday
- c. Wednesday to Thursday
- d. Thursday to Friday

8) During which two-day period did the number of people volunteering decrease the most?

- a. Monday to Tuesday
- b. Tuesday to Wednesday
- c. Wednesday to Thursday
- d. Thursday to Friday

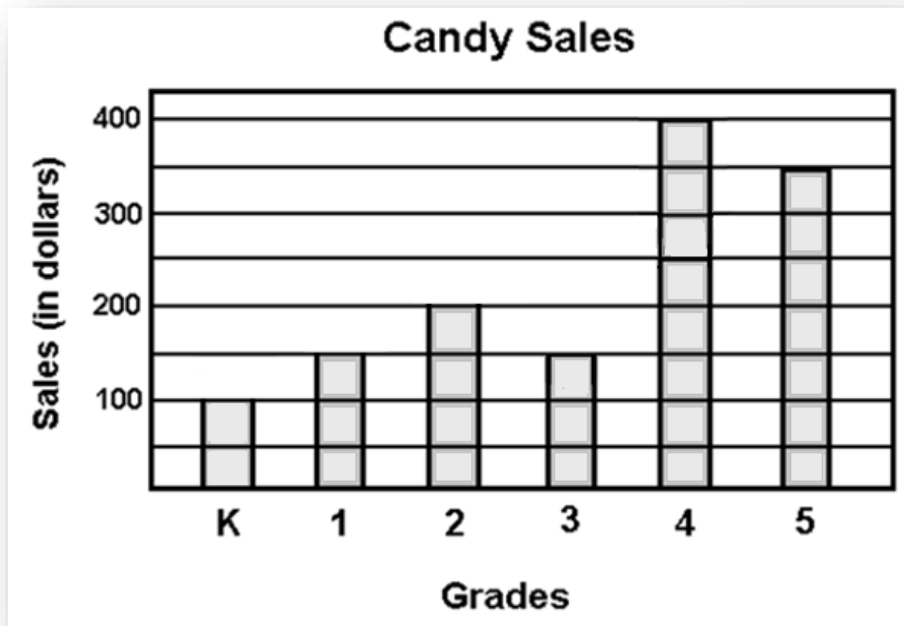
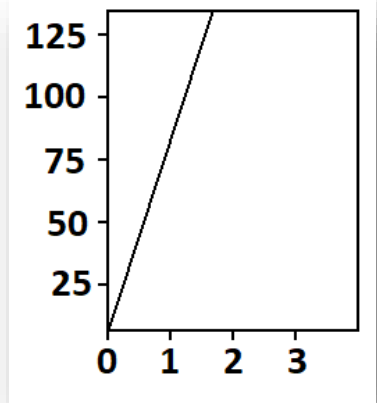
School Volunteers



9) On each day a certain amount of volunteers came to the school. What was the average (mean) numbers of volunteers per day?

10) The data on the line graph above will not fit. What should you do?

- a. Use a scale of 50 on the y axis instead of 125
- b. Use a scale of 5 on the y axis instead of 125
- c. Use a scale of 6 on the x axis instead of 3



11) How much money was raised by the 5th grade?

- a. \$200.00
- b. \$300.00
- c. \$350.00
- d. \$400.00

12) Which grade sold the least amount of candy? _____

13) Which grade sold half as much as the 2nd grade? _____

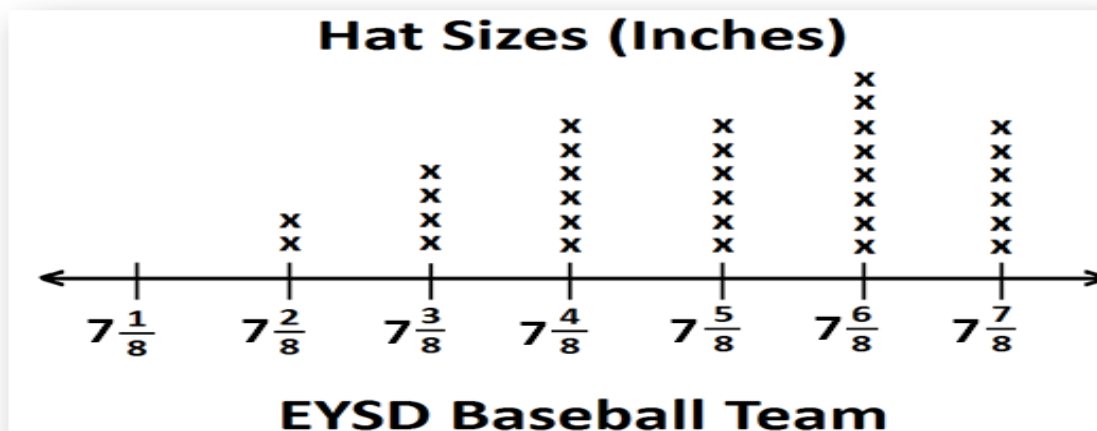
14) How many more dollars did 4th graders earn than 5th graders? _____

15) Which grade sold *four times* more candy as kindergarten? _____

16) Kindergarten sold _____ as much candy as 4th grade.

- a. $\frac{1}{2}$
- b. $\frac{1}{4}$
- c. $\frac{1}{3}$
- d. $\frac{2}{3}$

Line Plots



Directions: Use the line plot to answer the questions below. Answers should be simplified.

17) How many players are on the baseball team?



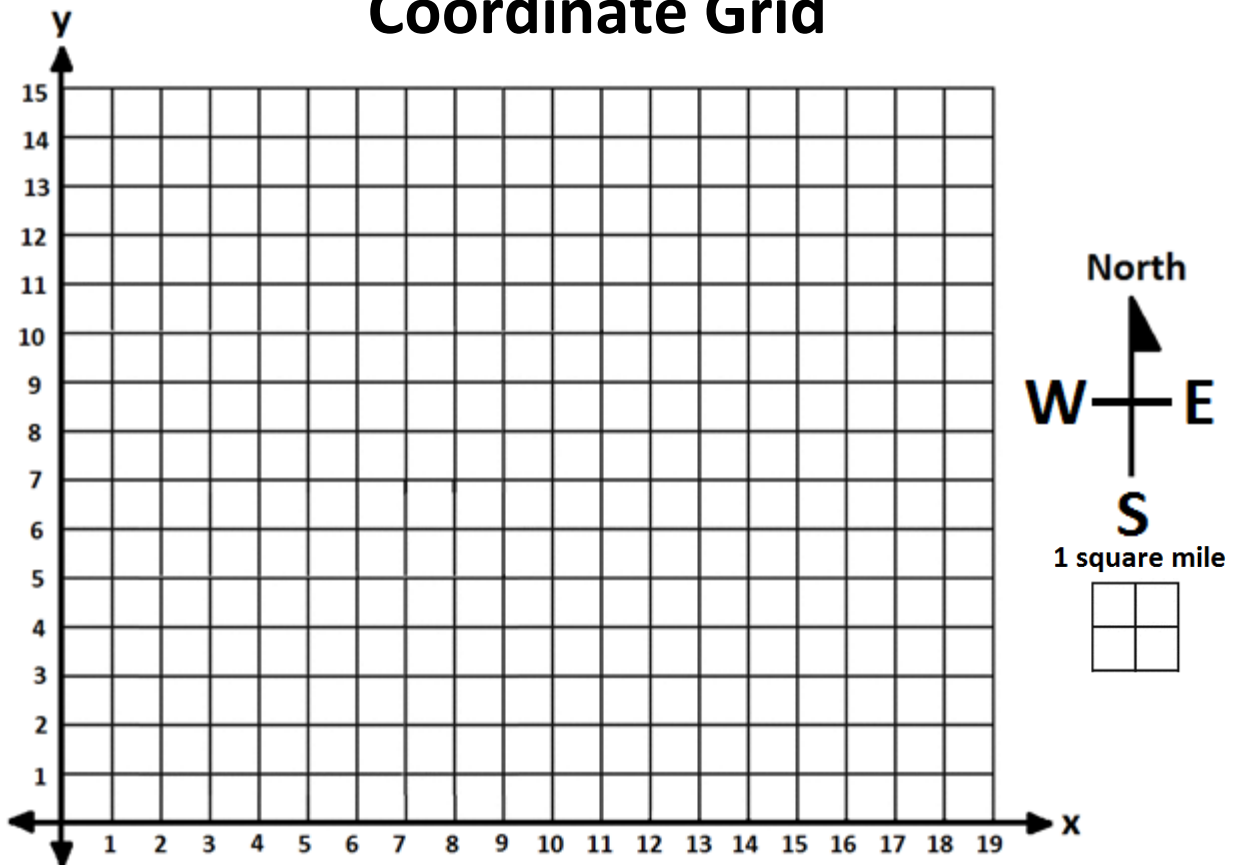
18) How many players wear a $7\frac{1}{2}$ inch hat size?

19) What is the total number of inches for all $7\frac{5}{8}$ inch hats?

20) What fraction of all of the hats are $7\frac{7}{8}$?

- a. $\frac{3}{16}$ b. $\frac{1}{4}$ c. $\frac{3}{7}$ d. $\frac{1}{9}$

Coordinate Grid



21) The four corners of a park are located at (3, 3), (3, 8), (10, 3) and (10, 8). What is the perimeter (in miles) of the park?

22) What is the area (in square miles) of the park?

- a. 8 sq. miles b. $6\frac{1}{4}$ sq. miles c. 7 sq. miles d. $8\frac{3}{4}$ sq. miles

23) From the northeast corner of the park travel 2 miles north, then 2 miles east. Plot the point on the grid *and* name the ordered pair.

24) From the southwest corner of the park travel $1\frac{1}{2}$ miles east, then $2\frac{1}{2}$ miles north. Plot the point on the grid *and* name the ordered pair.

25) Place an X on the origin on the grid above.