

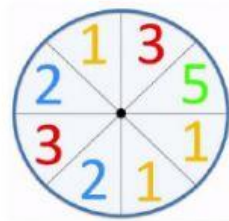
## Worksheet: Data and probability

1. Yangden wants to collect data to see how many students like different sports in her school. Which of the following is not a biased sample?
  - a. Collecting the data from all her friends.
  - b. Collecting data from all the boys.
  - c. Collecting data from classes five and six.
  - d. Collecting data from all grade levels.
2. Which of the following can be used as a tool to collect data?
  - a) Interview
  - b) Questionnaire
  - c) Observation
  - d) All of the above

3. What is the probability of the spinner landing on 1?

a)  $\frac{3}{5}$   
c)  $\frac{5}{5}$

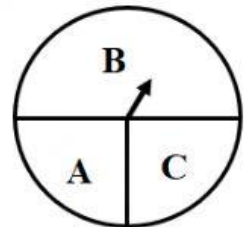
b)  $\frac{3}{8}$   
d)  $\frac{5}{8}$



4. What is the probability of landing the arrow on B in the spinner on the right?

a) 50%  
c)  $\frac{2}{4}$

b)  $\frac{1}{2}$   
d) All options are correct



5. Where would you plot the point for the coordinate: (2, -3)?
  - a) Quadrant I
  - b) Quadrant II
  - c) Quadrant III
  - d) Quadrant IV

6. The graph below shows the marks obtained by 10 students in a class test. Study the graph and answer questions.

Stem	Leaf
1	5
2	2 5 7
3	3 4 4 4
4	6
5	2

- a) Find the mean, median and the mode from the above graph.

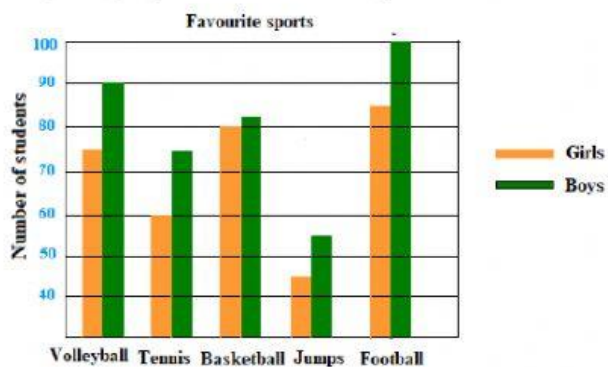
Answer:

Mean: = \_\_\_\_\_

Median = \_\_\_\_\_

Mode = \_\_\_\_\_

7. Study the graph and answer the question.



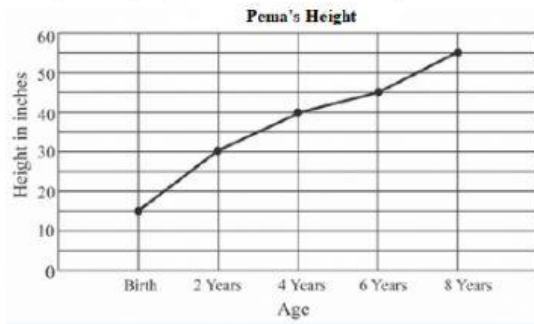
- a) How many girls are there in the school?

Answer: There are \_\_\_\_\_ girls in the school.

- b) Which sport is the most preferred sport for boys?

Answer: \_\_\_\_\_ is the most preferred sport for boys.

8. Study the graph and answer the question.



- a) What was Pema's height at birth?

Answer: \_\_\_\_\_ inches.

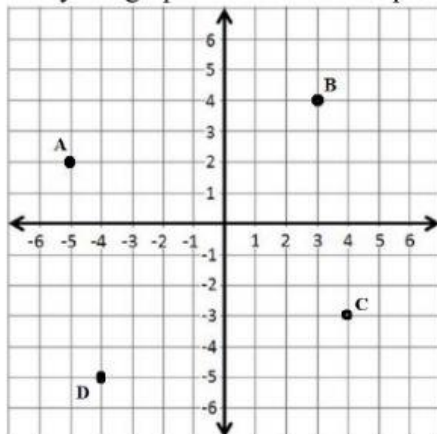
- b) How tall was Pema when she was 7 years old?

Answer: \_\_\_\_\_ inches.

- c) How much has Pema grown from 4 to 6 years?

Answer: \_\_\_\_\_ inches.

9. Study the graph and answer the question.



- a) Write the ordered pairs (coordinates) of the following points from the graph

A (\_\_\_\_, \_\_\_\_)

B (\_\_\_\_, \_\_\_\_)

C (\_\_\_\_, \_\_\_\_)

D (\_\_\_\_, \_\_\_\_)