The City School

Southern Region

Reinforcement Worksheet
Mathematics
Class 4
Topic: Probability and Data Analysis

Name: _____   Section: _____   Date: _____

Time: _____

Q 1   Encircle the correct option.

a)   The _____ of data is the number of times that value occurs.

      I)   shape

      ii)   chance

      iii)   event

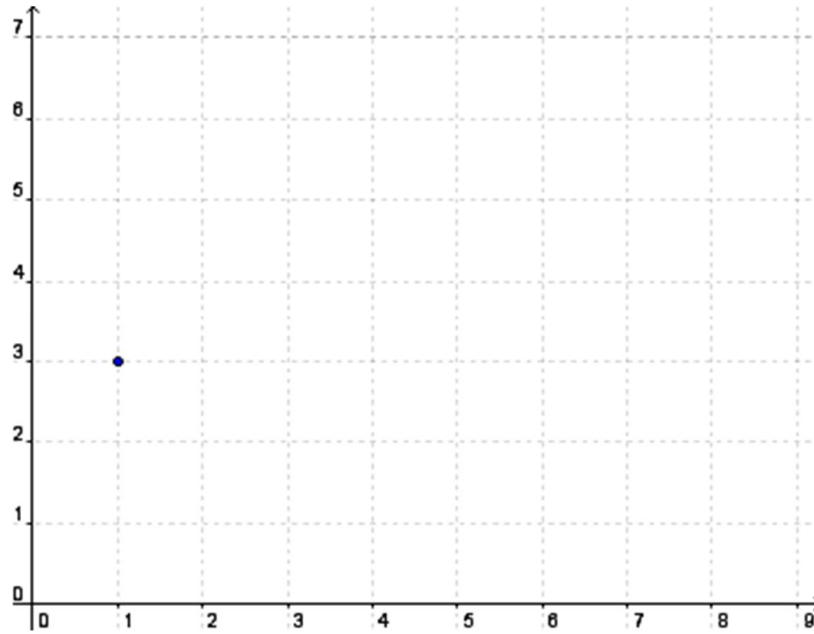   iv)   frequency

b)   How many bars should a bar graph have?

      i)   10

      ii)   5

      iii)   12

      iv)   It may vary according to data

c)   Which best describes the probability of randomly selecting a chick?

      i)   likely
      ii)   unlikely
      iii)   certain
      iv)   impossible
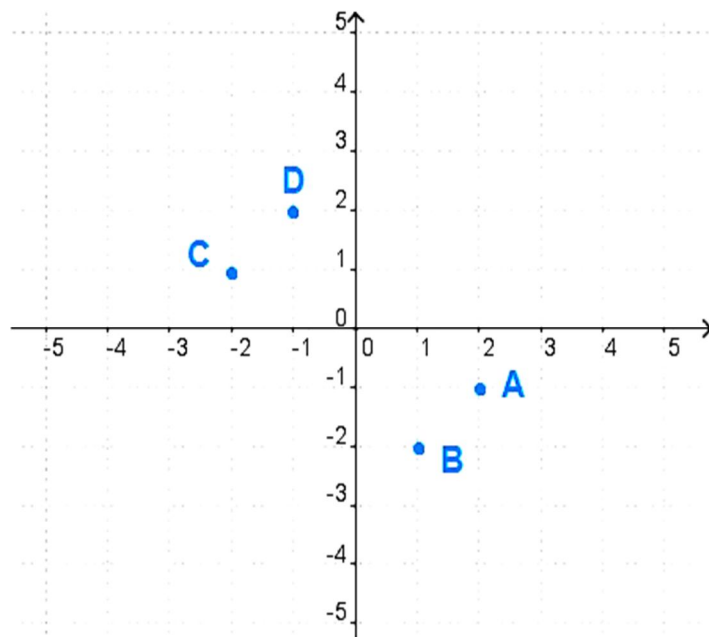
d) Choose the correct coordinates for the point on the graph below.

i)   (3, 1)

ii)   (0, 1)

iii) (1, 3)

iv)   (0, 3)

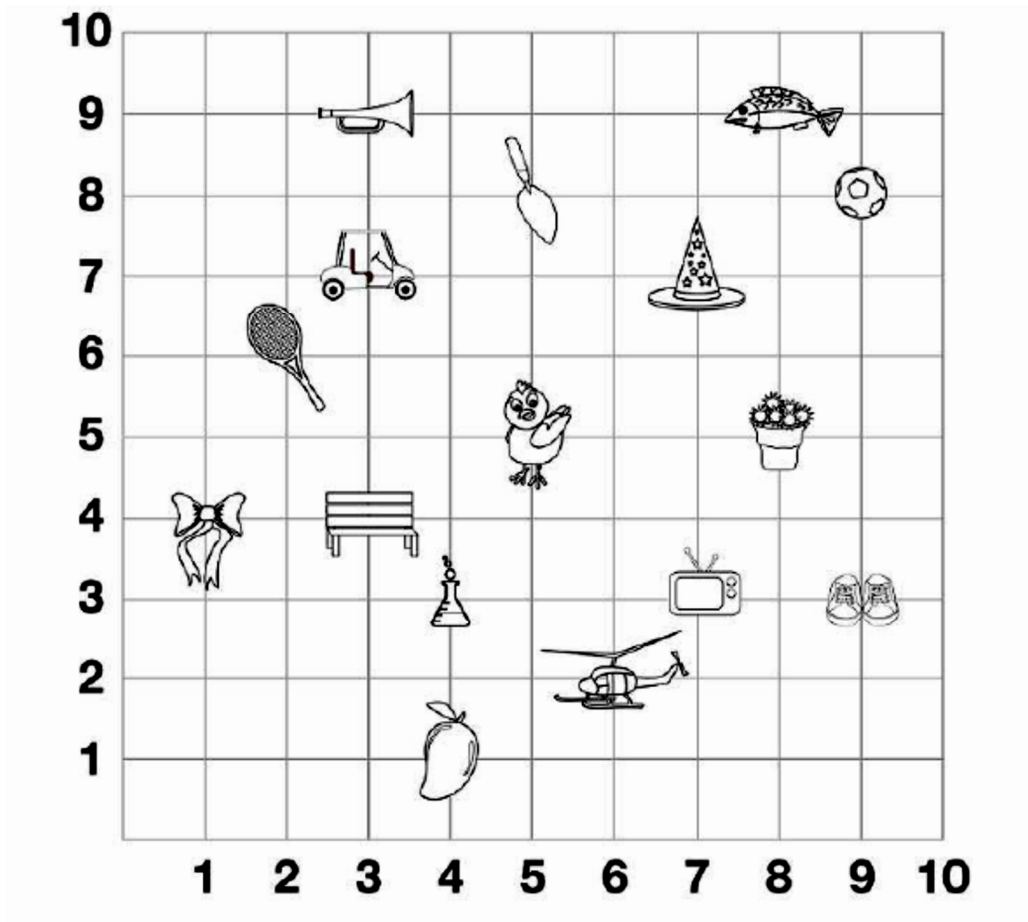e) According to the graph, which point has (1,-2) coordinates?

i)   Point A

ii)   Point B

iii) Point C

iv)   Point D

Q 2 In a Zoo there are 3 lions, 2 monkeys, 1 parrot and 1 tiger. Use the given information to answer the questions that follow.
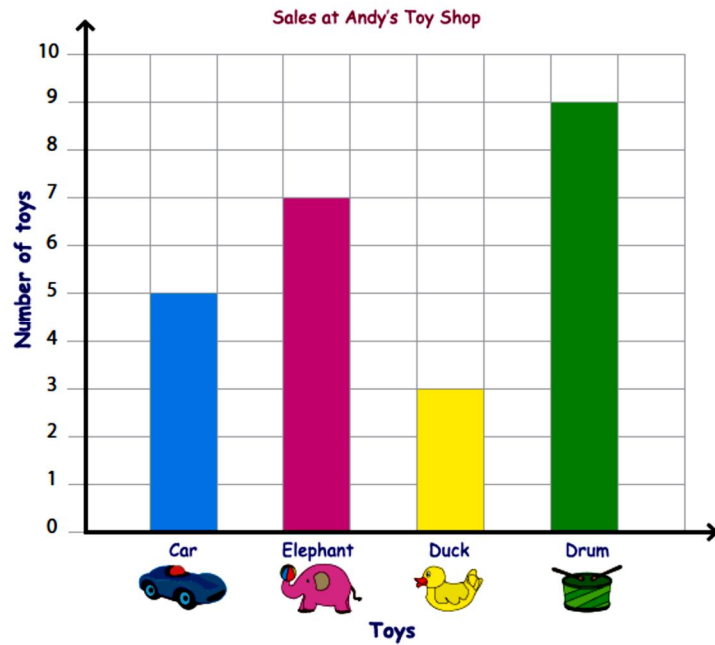
a) Which of these animals have equal probability to be picked out of the zoo?

    i)   Lion and monkey

    ii)   Lion and tiger

    iii)   Tiger and parrot

b) Which of these animals is the most unlikely to be picked out of the zoo?

    i)   a lion

    ii)   a monkey

    iii)   a parrot

c) What are the chances for picking a tiger or a parrot from the zoo?

    i)   more likely

    ii)   certain

    iii)   equally likely

    iv)   poor chance

d) What is the chance for picking a giraffe from the zoo?

    i)   good chance

    ii)   poor chance

    iii)   certain

    iv)   Impossible/ no chance

Q 3   Observe the coordinate grid, and answer the questions that follow.

a)   Write ordered pairs for each of the objects listed.

i)   Helicopter _____   ii)   shoes _____

iii)   Wizard's hat_____   iv)   fish   _____

b)   Which object is located at each point mentioned below?

i)   (3, 4) _____

ii)   (5, 5) _____

iii)   (9, 8) _____

iv)   (2, 6) _____

c)   On the same grid, draw a star at (6, 4).

Q 4　The graph shows the number of toys sold on Monday at Andy's Toy shop. Use the graph to answer the questions.
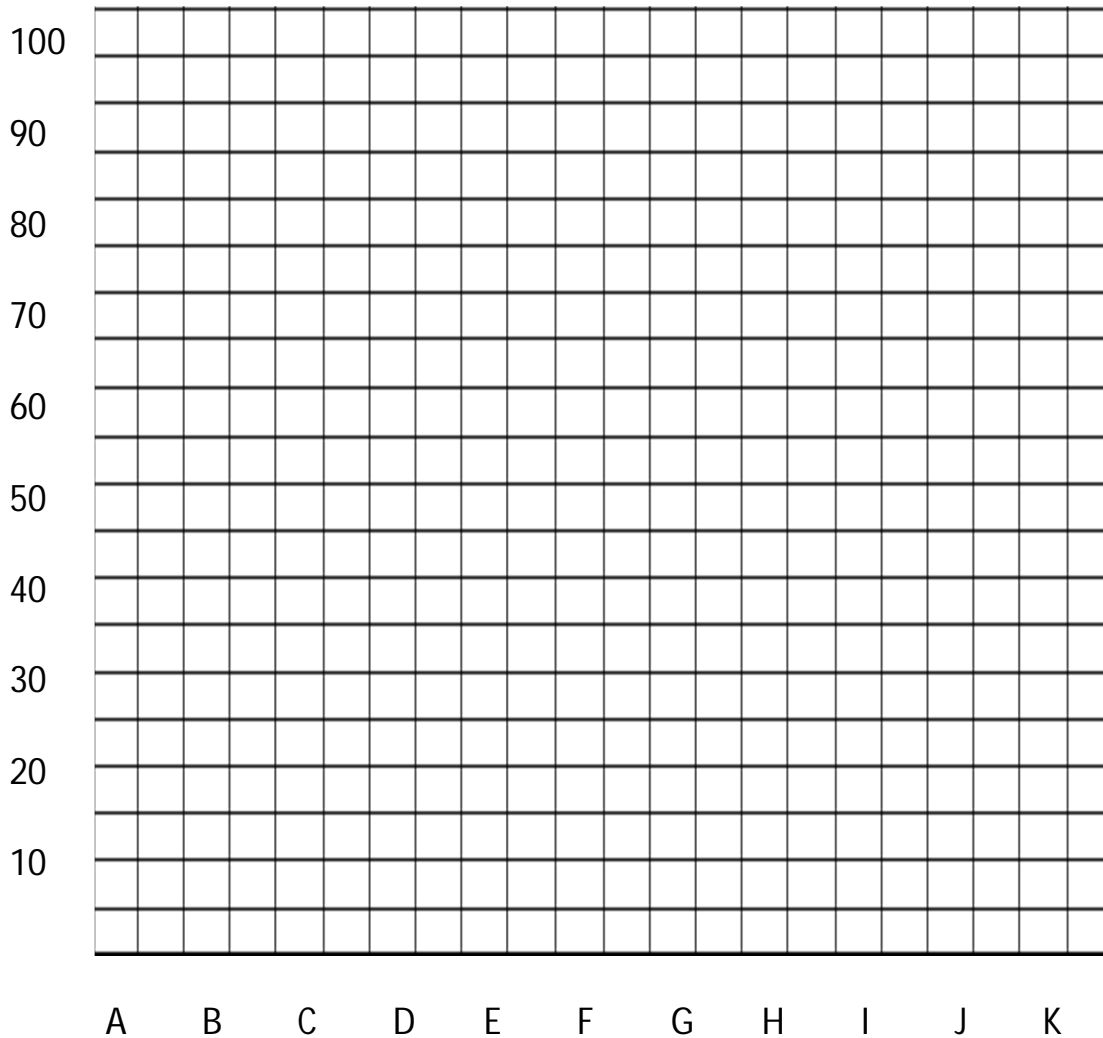

a) Which toy was sold the most?　　　　　　　　_____

b) How many elephants and drums were sold in all?　　_____

c) How many more elephants than ducks were sold?　　_____

d) How many cars were sold?　　　　　　　　　_____

Q 5　Draw tally marks for the following frequencies.

Frequency (f)	Tallies
12	
15	
7	
4	
20	
9	

Q 6   Create a bar graph using the following information.

Fourth grade students in Room A collected 50 soda cans. The students in Room B collected 40 soda cans. The students in Room C collected 80 soda cans and the students in room D collected 20 soda cans.

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100 |
 90 |
 80 |
 70 |
 60 |
 50 |
 40 |
 30 |
 20 |
 10 |
    +----------------------------------------
      A   B   C   D   E   F   G   H   I   J   K
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Q 7   Draw a pictogram to illustrate the given information. The key to be used is given below.   [Key = 50 pumpkins]

The details of the pumpkins harvested by the 5 farmers in fall season are as under:

Danny 200 pumpkins   Jacob125 pumpkins

Roy 250 pumpkins   Edwin275 pumpkins

Alex 200 pumpkins