

INDIAN SCHOOL AL WADI AL KABIR

Class VI, Mathematics

DATA HANDLING– Worksheet (DTQ)

26-09-2021

Descriptive Questions-Short Answer Type (2 marks each)

Q1.

The adjoining table shows the frequency distribution table for different types of smartphones owned by 40 people in a society. Observe the table and answer the following questions:

- a) Which phone is used by maximum number of people?
- b) Which phone is used by least number of people?
- c) How many more people prefer Android phone than Window Phone?
- d) Is the sum of the number of people who prefer Window phone and the number of people who prefer Amazon fire phone more than the number of people who prefer iPhone?

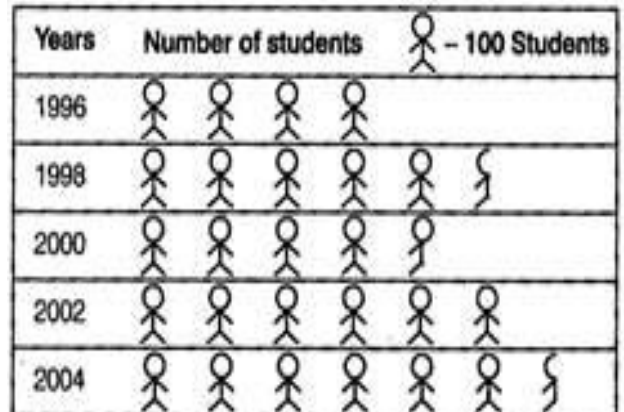
Type of smartphone	Tally	Frequency
Android	 	12
Window Phone	 	8
Iphone	 	15
Amazon's fire phone		5
		Sum = 40

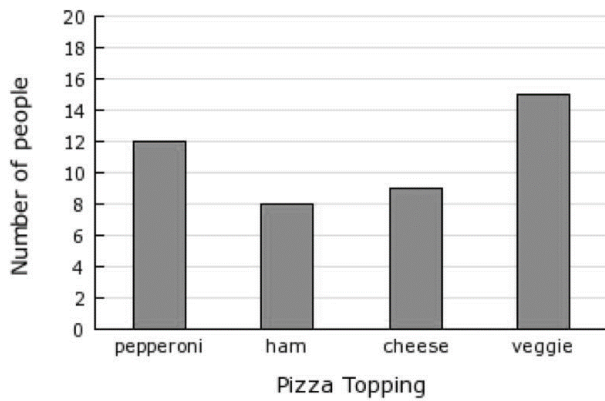
Frequency distribution of types of smartphones owned

Q2.

The adjoining pictograph shows the total strength of the Little Hearts Public School in different years. Observe the pictograph and answer the following questions:

- a) What was the strength of the school in the year 1998?
- b) In which year did the strength of the school become maximum?
- c) How many more students were there in the school in 2004 than in 2002?
- d) What was the strength of the school in 2004?



Q3.

Observe the bar graph and answer the following questions:

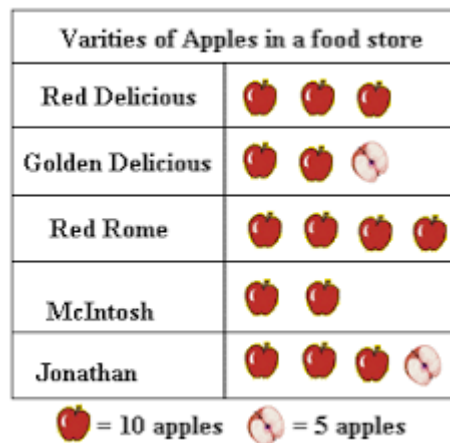
- Which pizza topping is preferred by maximum number of people?
- How many people prefer cheese topping?

Descriptive Questions- Long Answer Type 1 (3 marks each)

Q4.

The adjoining figure shows the different variety of apples at a food store. Observe the pictograph carefully and answer the following questions:

- Which variety of apple is available in maximum number at the food store?
- Which variety of apple is available in minimum number?
- How many apples of Golden Delicious variety is available at the store?
- How many apples are there in total at the food store?

**Q5.**





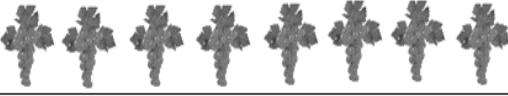




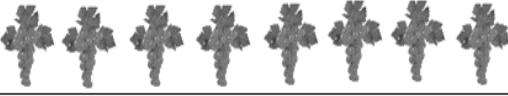




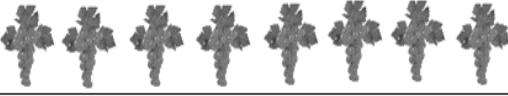
A die is thrown 20 times and the numbers appearing were as given below: 2,4,5,6,6,6,5,2,3,1,6,2,3,3,4,1,6,2,3,2,2,3,6,6,6. Draw a frequency distribution table to represent the given data. Which number appears the maximum number of times?

Q6.

Given below is a table representing the number of flowers produced by a nursery during different months in a year.

Month	January	February	March	April	May	June
Number of flowers	450	400	150	350	250	450

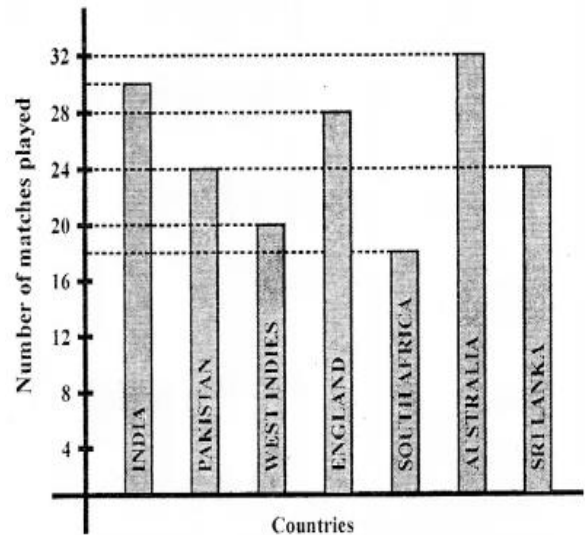
Represent the given data on a pictograph. Use the symbol ☀ to represent 100 flowers. Minimum number of flowers are produced in which month of the year?

<p>Q7.</p>	<p>A farmer owns a fruit/flower yard and the pictograph shows different kinds of fruit trees in his fruit yard. Observe the pictograph and answer the following questions:</p> <p>a) Which fruit tree is maximum in number at the fruit yard?</p> <p>b) How many more coconut trees are there than rose trees?</p> <p>c) How many different varieties of trees are available at the yard?</p>	<table border="1"> <tr> <td data-bbox="812 100 974 210">Mango trees</td> <td data-bbox="974 100 1521 210">  </td> </tr> <tr> <td data-bbox="812 210 974 315">Banana trees</td> <td data-bbox="974 210 1521 315">  </td> </tr> <tr> <td data-bbox="812 315 974 420">Rose trees</td> <td data-bbox="974 315 1521 420">  </td> </tr> <tr> <td data-bbox="812 420 974 525">Coconut trees</td> <td data-bbox="974 420 1521 525">  </td> </tr> <tr> <td data-bbox="812 525 974 663">Grapes trees</td> <td data-bbox="974 525 1521 663">  </td> </tr> </table>		Mango trees		Banana trees		Rose trees		Coconut trees		Grapes trees			
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Grapes trees															
<p>Q8.</p>	<p>The adjoining table shows the most popular subjects among the class 6 students. Represent the given data on a pictograph.</p> <p>Use ♀ to represent 2 students and ○ to represent 1 student. Which is the most popular subject?</p>	<table border="1"> <thead> <tr> <th data-bbox="867 663 1192 730">Subject</th> <th data-bbox="1192 663 1521 730">Number of students</th> </tr> </thead> <tbody> <tr> <td data-bbox="867 730 1192 798">English</td> <td data-bbox="1192 730 1521 798">12</td> </tr> <tr> <td data-bbox="867 798 1192 865">Mathematics</td> <td data-bbox="1192 798 1521 865">13</td> </tr> <tr> <td data-bbox="867 865 1192 932">Science</td> <td data-bbox="1192 865 1521 932">7</td> </tr> <tr> <td data-bbox="867 932 1192 999">Social Science</td> <td data-bbox="1192 932 1521 999">5</td> </tr> <tr> <td data-bbox="867 999 1192 1062">Computer science</td> <td data-bbox="1192 999 1521 1062">8</td> </tr> </tbody> </table>		Subject	Number of students	English	12	Mathematics	13	Science	7	Social Science	5	Computer science	8
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<p>Q9.</p>	<p>The given table shows the number of cars sold in different cities in the month of August. Represent the given data on a pictograph. Name the cities that sell less than 100 cars?</p>	<table border="1"> <thead> <tr> <th data-bbox="867 1062 1192 1129">City</th> <th data-bbox="1192 1062 1521 1129">Number of cars sold</th> </tr> </thead> <tbody> <tr> <td data-bbox="867 1129 1192 1197">Delhi</td> <td data-bbox="1192 1129 1521 1197">150</td> </tr> <tr> <td data-bbox="867 1197 1192 1264">Mumbai</td> <td data-bbox="1192 1197 1521 1264">80</td> </tr> <tr> <td data-bbox="867 1264 1192 1331">Chennai</td> <td data-bbox="1192 1264 1521 1331">65</td> </tr> <tr> <td data-bbox="867 1331 1192 1398">Bangalore</td> <td data-bbox="1192 1331 1521 1398">75</td> </tr> </tbody> </table>		City	Number of cars sold	Delhi	150	Mumbai	80	Chennai	65	Bangalore	75		
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<p>Q.10</p>	<p>In a Mathematics test, the following marks were obtained by 20 students: 7,7,8,10,2,10,10,7,8,10,5,4,7,8,9,10,10,2,9,7. Arrange the given marks on a table using tally marks and answer the following questions.</p> <p>a) How many students obtained marks greater than 5?</p> <p>b) How many students obtained marks less than or equal to 4?</p>														

Q 11

Observe the bar graph showing the one-day international matches played by cricket teams of different countries, and answer the questions that follow.

- Which country played the maximum number of matches?
- How many matches did South Africa play?
- How many more matches were played by India than Pakistan?



Scale:

1 unit length = 4 matches

Descriptive Questions Long Answer Type 2 (4 marks each)








Q.12

The following is the choice of 20 students of class VI of a school.

Orange, banana, Apple, Guava, orange, banana, orange, banana, Guava, banana, Apple, orange, Guava, orange, Apple, orange, Apple, banana, orange, Apple.

- Represent the given data in frequency distribution table using tally marks.
- Which fruit is liked by maximum number of students?
- Which fruit is liked by minimum number of students?
- Which fruit is preferred by equal number of students?

Q.13

Days	Number of ice cream cones sold	 = 2 cones
Monday		
Tuesday		
Wednesday		
Thursday		
Friday		
Saturday		

The given pictograph shows the number of ice creams sold by a school canteen on different days of a week. Observe the pictograph and answer the questions that follow:

- The minimum number of ice creams were sold on which day of the week?
- How many ice creams were sold on Thursday?
- How many ice creams were sold during the whole week?
- If the cost of one ice cream is ₹ 20, what is the amount collected on ice creams sold on Tuesday?

Q.14	The following table shows the monthly expenditure of a family on various items:						
	Item	Food	Education	House Rent	Entertainment	Miscellaneous	
	Expenditure	4500	4000	5000	2000	3500	
Draw a bar graph to represent the data.							
Q.15	Five students of class VI sold tickets of the school fair:						
	Name	Rohan	Priya	Nikhil	Reshma	Arjun	Mahesh
	No. of tickets sold	15	7	10	15	8	5
Draw a bar graph to represent the given information.							

Answers

	1	a) iPhone b) Amazon's Fire Phone c) 4 d) No	2	a) 550 b) 2004 c) 50 d) 650	3	a) Veggie b) 9 people	4	a) Red Rome b) McIntosh c) 25 d) 150 apples
	5	Frequency table; 6	6	Frequency table; March	7	a) Grape trees b) 2 c) 5 varieties	8	Pictograph; Mathematics
	9	Mumbai, Chennai, and Bangalore	10	a) 16 b) 3	11	a) Australia b) 18 c) 6	12	a) Bar graph b) Orange c) Guava d) Apple and Banana
	13	i) Thursday ii) 7 iii) 67 iv) ₹320	14	Bar graph	15	Bar graph		
