CLASS: 7 DATA HANDLING

SUBJECT: MATHS

The number of tourists visiting a historical place in a week is shown in the following table :

Day	Number of tourists
Monday	65
Tuesday	72
Wednesday	98
Thursday	84
Friday	60
Saturday	108
Sunday	160

Answer the following related questions.

Question 1.
On which day is the number of tourists maximum?
(a) Sunday
(b) Wednesday
(c) Tuesday
(d) Saturday

Day	Number of tourists
Monday	65
Tuesday	72
Wednesday	98
Thursday	84
Friday	60
Saturday	108
Sunday	160

Question 2.
On which day is the number of tourists minimum?
(a) Friday
(b) Monday
(c) Thursday
(d) Saturday

Day	Number of tourists
Monday	65
Tuesday	72
Wednesday	98
Thursday	84
Friday	60
Saturday	108
Sunday	160

Question 3.
On which day 60 tourists visit?

(a) Monday
(b) Tuesday
(c) Friday
(d) Sunday

Question 4.

Day	Number of tourists
Monday	65
Tuesday	72
Wednesday	98
Thursday	84
Friday	60
Saturday	108
Sunday	160

What is the difference between the number of tourists visiting on Friday and Monday?
(a) 10
(b) 24
(c) 38
(d) 5

Question 5.

Day	Number of tourists
Monday	65
Tuesday	72
Wednesday	98
Thursday	84
Friday	60
Saturday	108
Sunday	160

The sum of the number of tourists visiting on Sunday and Friday is
(a) 160
(b) 60
(c) 220
(d) 100

Question 6.

Day	Number of tourists
Monday	65
Tuesday	72
Wednesday	98
Thursday	84
Friday	60
Saturday	108
Sunday	160

The difference between the maximum and minimum number of tourists is
(a) 50
(b) 80
(c) 90
(d) 100

Day	Number of tourists
Monday	65
Tuesday	72
Wednesday	98
Thursday	84
Friday	60
Saturday	108
Sunday	160

Question 7.
A batsman scored the following number of runs in six innings:
35, 30, 45, 65, 39, 20
The mean runs scored by him in an inning is
(a) 39
(b) 38
(c) 37
(d) 40

Day	Number of tourists
Monday	65
Tuesday	72
Wednesday	98
Thursday	84
Friday	60
Saturday	108
Sunday	160

Question 8.
The mean of the numbers 10,20, 30 and 40 is
(a) 20
(b) 25
(c) 30
(d) 50

Day	Number of tourists
Monday	65
Tuesday	72
Wednesday	98
Thursday	84
Friday	60
Saturday	108
Sunday	160

Question 9.
The range of the weights (in kg) of a students of a class given below is:
49, 60, 47, 50, 47, 59, 58, 45, 53
(a) 10
(b) 15
(c) 20
(d) 2

Question 10.

Day	Number of tourists
Monday	65
Tuesday	72
Wednesday	98
Thursday	84
Friday	60
Saturday	108
Sunday	160

The marks of 11 students of a class are as given below:
78, 11, 99, 63, 94, 6, 78, 36, 30, 55, 22
The range of marks is
(a) 90
(b) 91
(c) 92
(d) 93

Question 11.
The rainfall (in mm) in a city on 7 days of a certain week was recorded as follows:

Day	Rainfall (in mm)
Monday	0.0
Tuesday	0.0
Wednesday	1.0
Thursday	2.0
Friday	3.0
Saturday	5.0
Sunday	4.0

On how many days was the rainfall less than 6 mm?
(a) 0
(b) 3
(c) 6
(d) 7

Question 12.
The mode of the distribution 3,5, 7, 4, 2, 1, 4, 3, 4 is
(a) 7
(b) 4
(c) 3
(d) 1

Question 13.
The marks of some students are as given below:
30, 31, 32, 32, 33, 32, 34, 35, 30, 31, 33, 32
Find the mode of their marks.
(a) 30
(b) 31

(c) 32
(d) 33

Question 14.
The median of the distribution 2, 3, 4, 7, 5, 1, 6 is
(a) 1
(b) 2
(c) 3
(d) 4

Question 15.
The median of the data 20, 30, 40, 10, 15, 25, 35 is
(a) 20
(b) 25
(c) 30
(d) 40

Question 16.
Which of the following statements is true?
(a) The mode is always one of the numbers in a data
(b) The mean is always one of the numbers in a data
(c) Mean < Mode in a data
(d) Median < Mode in a data

Question 17.
A coin is tossed. What is the probability of getting head?
(a) 0
(b) 1
(c) 12
(d) 2

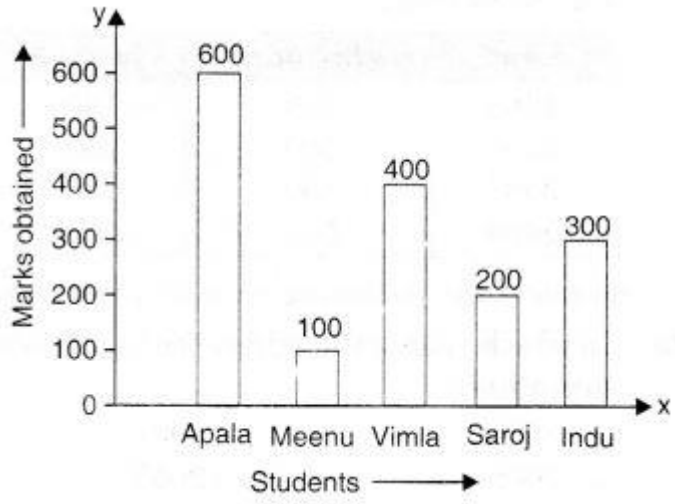
Question 18.
A coin is tossed. What is the probability of getting tail?
(a) 1
(b) $1/2$
(c) 2
(d) 0

Question 19.
A die is thrown. What is the probability of getting 1?
(a) 0
(b) 1
(c) $1/2$
(d) 16

Question 20.
A die is thrown. What is the probability of getting 6?
(a) 0

(b) 1/6
(c) 1/2
(d) 1

Read the following bar graph and answer the following related questions :



Question 21.
Who got the maximum marks?
(a) Apala
(b) Meenu
(c) Saroj
(d) Indu

Question 22.
Who got the minimum marks?
(a) Apala
(b) Meenu
(c) Vimla
(d) Indu

Question 23.
The difference between maximum and minimum marks is
(a) 100
(d) 200
(c) 400
(d) 500

Question 24.
The ratio between the marks obtained by Saroj and Vimla is
(a) 1 : 2
(b) 2 : 3
(c) 3 : 4
(d) 1 : 6

Question 25.
How many girls have got marks more than 100?
(a) 2
(b) 3
(c) 4
(d) 1

Question 26.
Who has got 400 marks?
(a) Vimla
(b) Saroj
(c) Indu
(d) Apala

Question 27.
The difference between the marks obtained by Vimla and Saroj is how many times the difference between the marks obtained by Meenu and Saroj?
(a) 2
(b) 3
(c) 4
(d) 6

Question 28.
How many girls have got marks less than 600?
(a) 1
(b) 2
(c) 3
(d) 4

Sale of Mathematics and English books in the year 2005, 2006, 2007 and 2008 are given below :

Years	*Mathematics*	*English*
2005	200	100
2006	300	250
2007	400	200
2008	500	500

Answer the following related questions :

Question 29.
In which year is the difference in the sale minimum?
(a) 2008
(b) 2007
(c) 2006
(d) 2005

Question 30.
In which year is the difference in the sale maximum?
(a)2005
(b) 2006
(c) 2007
(d) 2008

Question 31.
The ratio of sales in the year 2005 is
(a) 2 : 1
(b) 3 : 1
(c) 4 : 1
(d) 2 : 3

Question 32.
The rise in the sale of Mathematics books from 2005 to 2008 is
(a) 100
(b) 200
(c) 300
(d) 400

Question 33.
The fall in the sale of English books from 2006 to 2007 is
(a) 50
(b) 100
(c) 150
(d) 200

Number of children in six different classes are given below :

Class	*Number of children*
6	400
7	350
8	320
9	280
10	225
11	200

Answer the following related questions.

Question 34.
In which class is the number of children maximum?
(a) 6
(b) 7
(c) 8
(d) 9

Question 35.
In which class is the number of children minimum?
(a) 8
(b) 9
(c) 10
(d) 11

Question 36.
The difference between the maximum and minimum number of children is
(a) 100
(b) 200
(c) 300
(d) 400

Question 37.
In how many classes is the number of children less than 500?
(a) 2
(b) 4
(c) 5
(d) 6

Question 38.
In how many classes is the number of children more than 100?
(a) 6
(b) 4
(c) 3
(d) 1

Question 39.
The ratio of the number of children of class 6 and 11 is
(a) 3 : 1
(b) 2 : 1
(c) 2 : 3
(d) 1 : 4

Question 40.
The total number of children is
(a) 1775
(b) 1675
(c) 1575
(d) 1785

PART-II

Question 1.
Mean of the first six prime numbers is
(a) 7.83

(b) 5.83
(c) 6.83
(d) 4.83

Answer

Question 2.
What is the mode of the following set of numbers?
1, 2, 3, 2, 1, 5, 6, 1
(a) 3
(b) 1
(c) 2
(d) 5

Answer

Question 3.
A die is rolled then the probability that the number of dot's on its upper face is less than 5 is
(a) 0
(b) 13
(c) 23
(d) 1
Answer

Question 4.
Which measure describes the centre of a set of data?
(a) Mode
(b) Mean
(c) Median
(d) All the these

Answer

Question 5.
The data which is collected directly from the source is called
(a) primary data
(b) ungrouped data
(c) grouped data
(d) secondary data

Answer

Question 6.
The median of 1, 4, 1, 2, 0, 1, 5, 4, 2, 2 is
(a) 0
(b) 1
(c) 2
(d) 4

Answer

Question 7.
The range of 35, 40, 22, 17, 65, 31, 78, 33 is
(a) 35
(b) 17
(c) 61
(d) 33

Answer

Question 8.
A coin is tossed. What is the probability of getting tail?
(a) 1

(b) 12
(c) 2
(d) 0
Answer

Question 9.
A die is thrown. What is the probability of getting 6?
(a) 0
(b) 16
(c) 12
(d) 1
Answer

Question 10.
The median of the data 20, 30, 40, 10,15, 25, 35 is
(a) 20
(b) 25
(c) 30
(d) 40

Answer

Question 11.
Range of data is equal to:
(a) highest value + lowest value
(b) highest value – lowest value
(c) highest value × lowest value
(d) highest value + lowest value

Answer

Question 12.
Which of the following is the mean of the given data?
(a) The middle value of the data arranged in ascending or descending order.

(b) The value of the observation occurring most frequently.

(c) The sum of all the values of the data divided by the total number of values.
(d) None of these.
Answer

Fill in the blanks

Question 1.
The sum of all the observations when divided by the number of observations gives the …… of the data.

Answer

Question 2.
The difference between the highest and the lowest observation is called the …… of the data.

Answer

Question 3.
The observation occurring the most in a set of given data is called the …… of the data.

Answer

Question 4.
The mean of the first five natural numbers is ……

Answer

Question 5.
A die is thrown. The probability of getting a number less than 4 ……

Answer

Question 6.
The sum of all the observations, when divided by the number of observations gives the ……. of the data. [median/mean]

Answer

Question 7.
The difference between the highest and the lowest observation is called the ……. of the data. [mode/range]

Answer

Question 8.
The mean of first ten whole ……. numbers is [4.5/5.5]

Answer

Question 9.
The mean of first ten natural ……. numbers is [5/5.5]

Answer

Question 10.
The mode is ……. one of the given data, [always/not always]

Answer

Question 11.
The mean is ……. one of the given data, [always/not always]

Answer

Q. 12 to 15 use the data.
5, 4, 0, 1, 6, 2, 4, 3, 7, 8

Question 12.
Mean of the data is …….

Answer

Question 13.
Range of the data is …….

Answer

Question 14.
Median of the data is …….

Answer

Question 15.
Mode of the data is …….

Answer

Question 16.
A die is thrown. The probability of getting a prime number is …….

Answer

Question 17.
For tossing a coin, the probability of getting …….

Answer
