

Class: 7
Subject: Mathematics
Topic: Data Handling
No. of Questions: 20
Duration: 60 Min
Maximum Marks: 60

Q1. Which class has the highest frequency?

Class Interval	Frequency
0- 10	1
10- 20	6
20- 30	12
30- 40	20
40- 50	6
Total	45

- A. None of these
- B. 30-40
- C. 10-20
- D. 20-30

Sol: B Clearly 30-40 has highest frequency of 20

Q2 When a die is thrown, total number of possible outcomes is _____.

- A. 6
- B. 36
- C. 2
- D. None of these

Sol: A (Only 6 outcomes are possible 1, 2, 3, 4, 5, 6)

Q3. When a coin is thrown, total number of possible outcomes is _____.

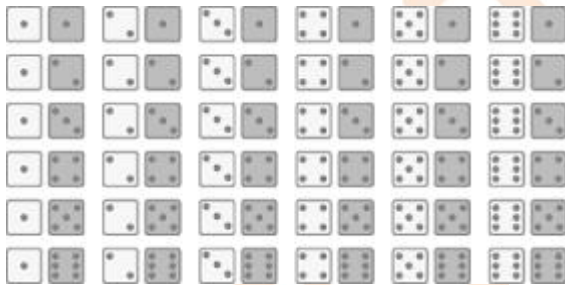
- A. 5
- B. 6
- C. None of these
- D. 2

Sol: D (Only 2 outcomes are possible head or tail)

Q4. Two dice are thrown, find the number of possible outcomes.

- A. None of these
- B. 12
- C. 6
- D. 36

Sol: D (total 36 outcomes are possible)



Q5. What is the size of class intervals?

Class intervals (daily income in Rs)	Frequency (number of workers)
100-125	45
125-150	25
150-175	55
175-200	125
200-225	140
225-250	55
250-275	35
275-300	50
300-325	20
TOTAL	550

- B. 27
- C. 26

- D. None of these
- E. 25

Sol: D (Upper class limit – lower class limit of any class)

Q6. Which class has the highest frequency?

Class intervals (daily income in Rs)	Frequency (number of workers)
100-125	45
125-150	25
150-175	55
175-200	125
200-225	140
225-250	55
250-275	35
275-300	50
300-325	20
TOTAL	550

- A. 250-275
- B. 200-225
- C. 225-250
- D. None of these

Sol: B (200-225 has highest)

Q7. Which class has the lowest frequency?

Class intervals (daily income in Rs)	Frequency (number of workers)
100-125	45
125-150	25
150-175	55
175-200	125
200-225	140
225-250	55
250-275	35
275-300	50
300-325	20
TOTAL	550

- A. 300-325

- B. 275-300
- C. 250-275
- D. None of these

Sol: A (clear from table)

Q8. What is the upper limit of the class interval 250-275?

Class intervals (daily income in Rs)	Frequency (number of workers)
100-125	45
125-150	25
150-175	55
175-200	125
200-225	140
225-250	55
250-275	35
275-300	50
300-325	20
TOTAL	550

- A. 250
- B. 275
- C. None of these
- D. 25

Sol: B (275 is the upper limit)

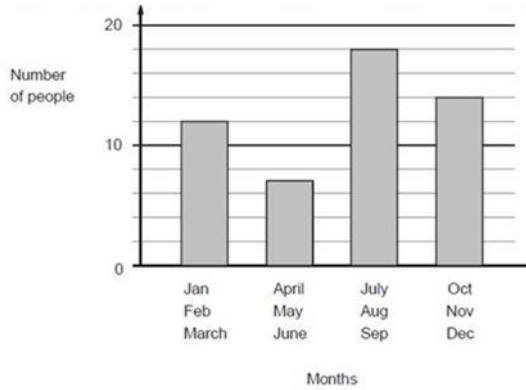
Q9. Numbers 1 to 10 are written on ten separate slips (one number on one slip), kept in a box and mixed well. One slip is chosen from the box without looking in to it. What is the probability of getting a number 6?

- A. $1/10$
- B. $3/10$
- C. None of these
- D. $7/10$

Sol: A (out of 10 options only one is required)

Q10. People with birthdays in each three months of the year

How many people have a birthday before July?

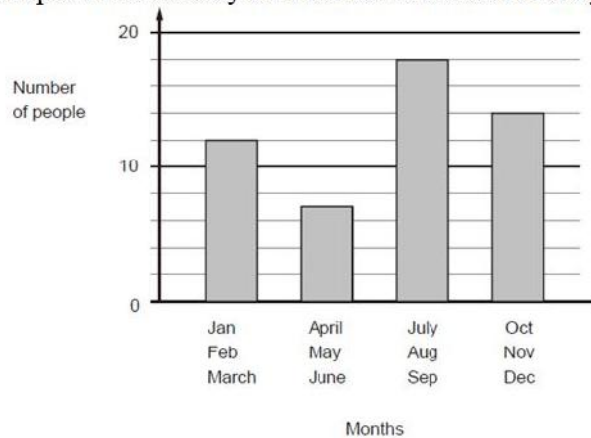


- A. 12
- B. 19
- C. None of these
- D. 7

Sol: B ($12 + 7 = 19$ of previous months)

Q11. Nobody has a birthday in October. Six people have a birthday in November. How many people have a birthday in December?

People with birthdays in each three months of the year

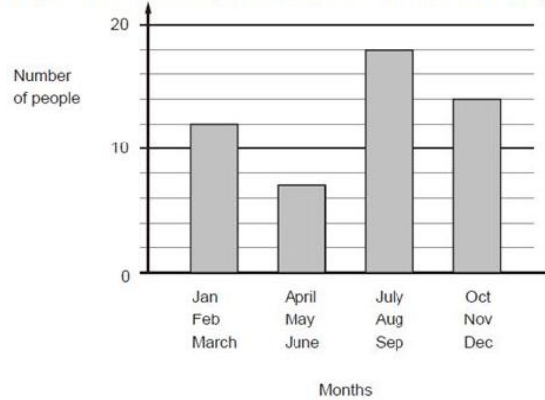


- A. 8
- B. 2
- C. 6
- D. None of these

Sol: A (8 as $14 - 0 - 6$)

Q12. How many people have a birthday before October?

People with birthdays in each three months of the year

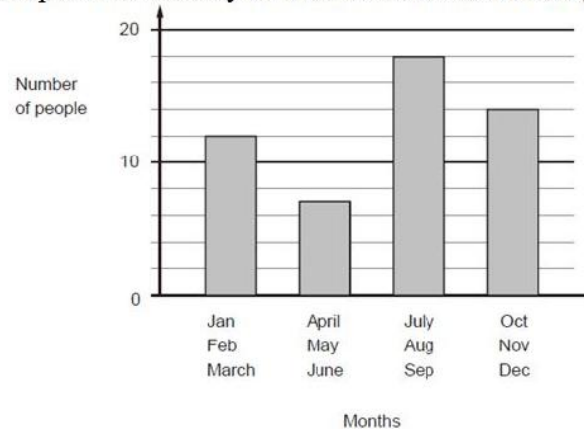


- A. 19
- B. 37
- C. None of these
- D. 18

Sol: B (sum of all the bars length before October)

Q13. How many people have a birthday in July, August and September?

People with birthdays in each three months of the year



- A. 12
- B. 19
- C. 18
- D. None of these

Sol: C (Height of Jul Aug Sep bar is 18)

Q14. When a die is thrown, what are the six possible outcomes?

- A. T, H
- B. None of these
- C. 1, 3, 5
- D. 1, 2, 3, 4, 5, 6

Sol: D (as the die can have 1, 2, 3, 4, 5, 6 as its output only)

Q15. The number of doctors in a village during the last 4 decades is given in the table. Determine the range of the number of doctors in the village.

Year	Population
1960	68000
1970	85000
1980	105000
1990	135000

- A. 67000
- B. 135000
- C. 68000
- D. None of these

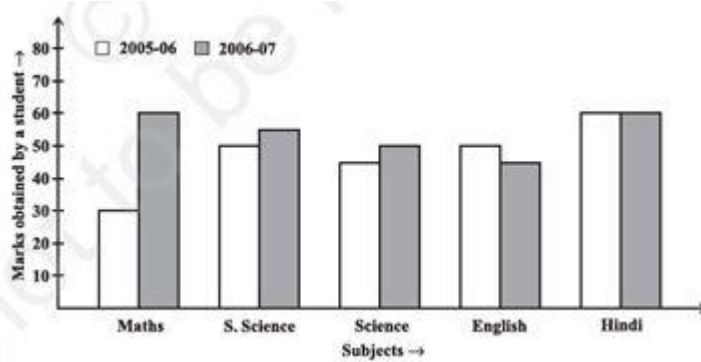
Sol. A (the population at 1990 – pop at 1960)

Q16. In order to draw meaningful inferences from any data, we need to _____ the data systematically.

- A. raw
- B. unorganise
- C. None of these
- D. organise

Sol. D

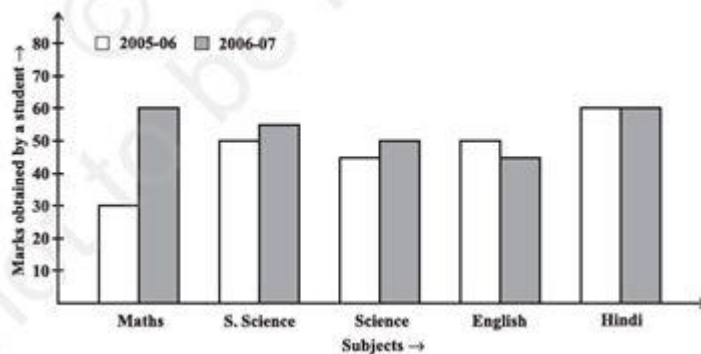
Q17. In which subject has the performance improved the most?



- A. Science
- B. Hindi
- C. Maths
- D. English

Sol. C (The max difference between the two adjacent bars)

Q18. In which subject is the performance at par?



- A. Hindi
- B. English
- C. Science
- D. Maths

Sol. A (at par means nearly same. Hindi has same performance)

Q19. A display of information using _____ of uniform width, their heights being proportional to the respective values.

- A. None of these
- B. histograms
- C. angles
- D. bars

Sol. D (fact)

Q20. When a coin is thrown, what are the two possible outcomes?

- A. T, H
- B. None of these
- C. 1, 2, 3, 4, 5, 6
- D. 1, 3, 5

Sol. A (fact)