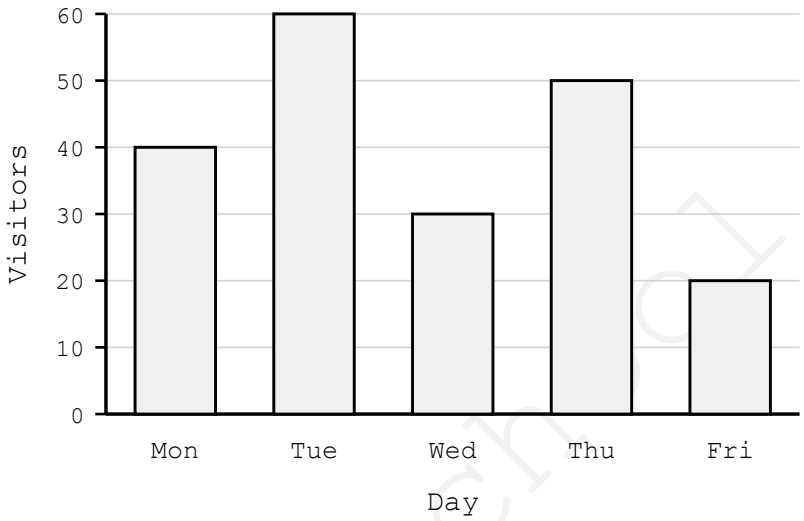
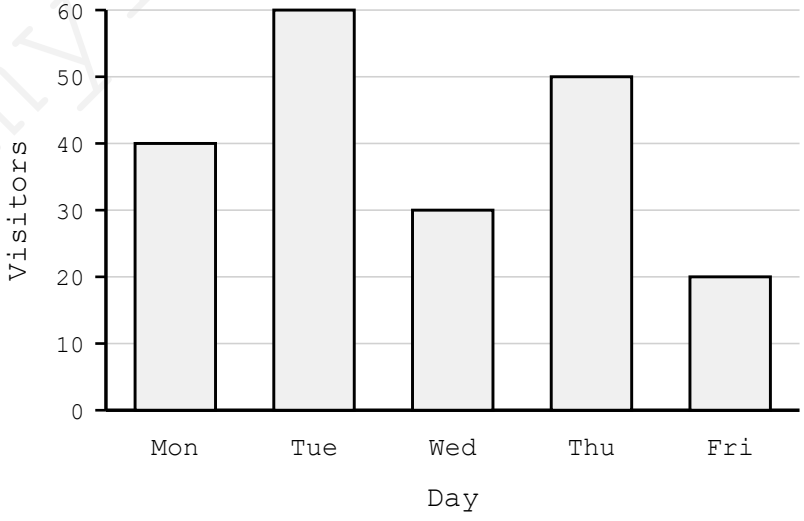
Data Handling & Probability: Medium Practice Paper 1

Q1. The bar chart shows the visitors to a park each day. How many visitors came on Wednesday?



A. 20 B. 30 C. 40 D. 50 E. 60

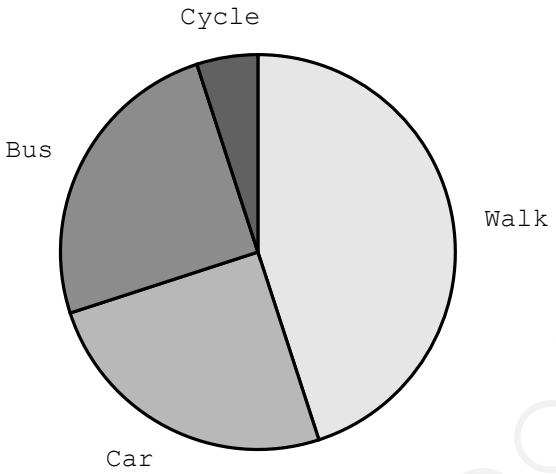
Q2. Use the bar chart. What fraction of the week's visitors came on Tuesday?



A. 1/10 B. 1/5 C. 1/4 D. 3/10 E. 1/3

myfreeschool

Q3. The pie chart shows how 40 pupils travel to school, and 10 of them come by bus. What is the size of the angle of the bus sector?



A. 36° B. 45° C. 60° D. 72° E. 90°

Q4. The two-way table shows the sport each pupil chose. How many girls chose hockey?

Pupils	Football	Netball	Hockey
Boys	12	3	7
Girls	5	14	9

A. 9 B. 12 C. 14 D. 16 E. 23

Q5. Use the two-way table. How many pupils chose netball altogether?

Pupils	Football	Netball	Hockey
Boys	12	3	7
Girls	5	14	9

A. 3 B. 14 C. 17 D. 21 E. 31

myfreeschool

Q6. What is the mean of these six numbers?

14, 9, 21, 6, 15, 13

A. 11 B. 12 C. 12.5 D. 13 E. 14

Q7. What is the median of this set of numbers?

12, 7, 19, 5, 14, 9

A. 9 B. 10.5 C. 11 D. 11.5 E. 12

Q8. What is the range of these measurements?

3.5, 8.2, 1.9, 6.4, 9.1

A. 4.7 B. 5.6 C. 6.6 D. 7.0 E. 7.2

Q9. A bag holds 8 red counters, 6 blue counters and 10 green counters. One is taken without looking. What is the probability that it is green, written in its simplest form?

A. 1/3 B. 3/8 C. 5/12 D. 1/2 E. 7/12

Q10. The probability that a train is late is 3/10. What is the probability that the train is not late?

A. 1/10 B. 3/10 C. 1/2 D. 7/10 E. 9/10

Q11. A pictogram uses one circle to stand for 6 books, and half a circle for 3 books. Class 5 read 21 books. How many circles are needed for Class 5?

A. 3 and a half

B. 3

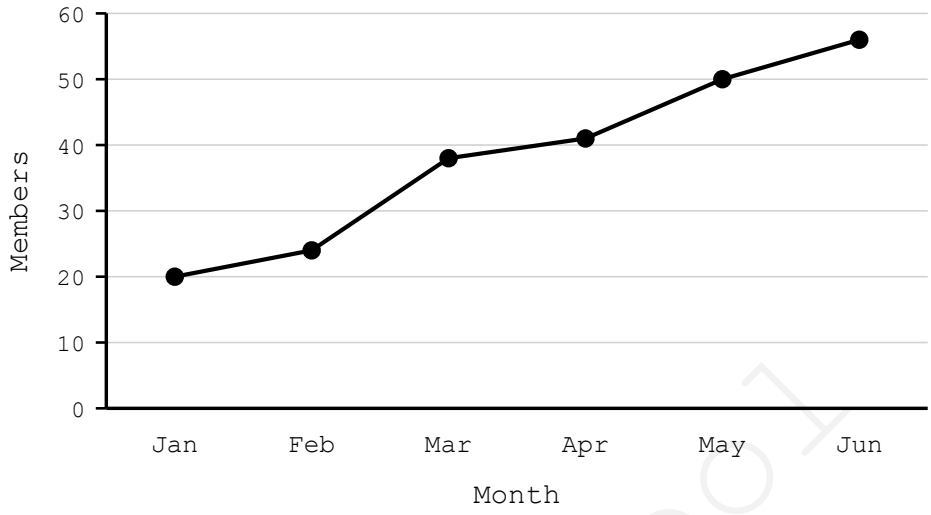
C. 4

D. 4 and a half

E. 7

myfreeschool

Q12. The line graph shows the members of a club each month. Between which two months did the membership rise the most?



A. Jan and Feb

B. Feb and Mar

C. Mar and Apr

D. Apr and May

E. May and Jun

Q13. In a class of 30 pupils, 18 play football and 14 play tennis. 5 pupils play neither sport. How many pupils play both sports?

A. 3 B. 4 C. 5 D. 6 E. 7

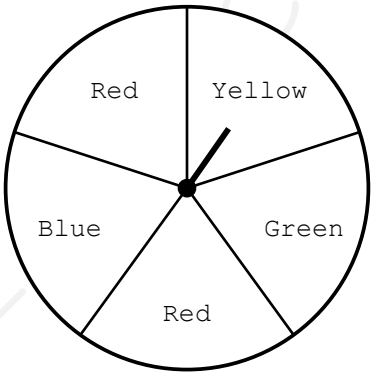
myfreeschool

Q14. The table shows the goals scored by a team in each match. What is the mode number of goals?

Goals	Number of matches
0	4
1	7
2	5
3	3
4	1

A. 1 B. 2 C. 3 D. 4 E. 7

Q15. The spinner has 5 equal sections. If it is spun 40 times, how many times would you expect it to land on Red?



A. 8 B. 12 C. 16 D. 20 E. 24

myfreeschool