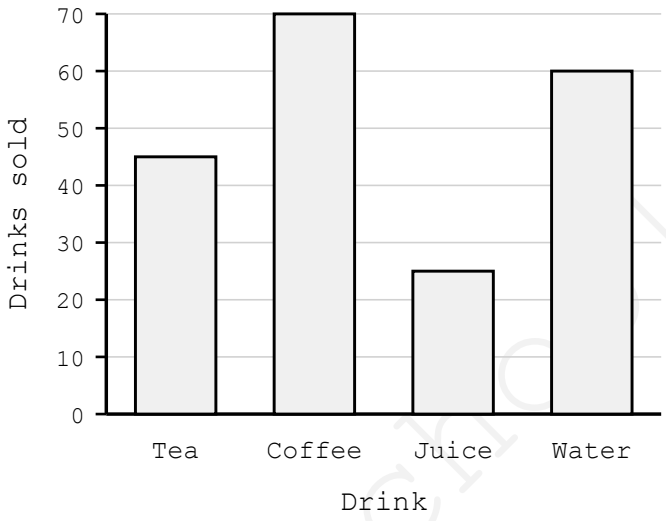
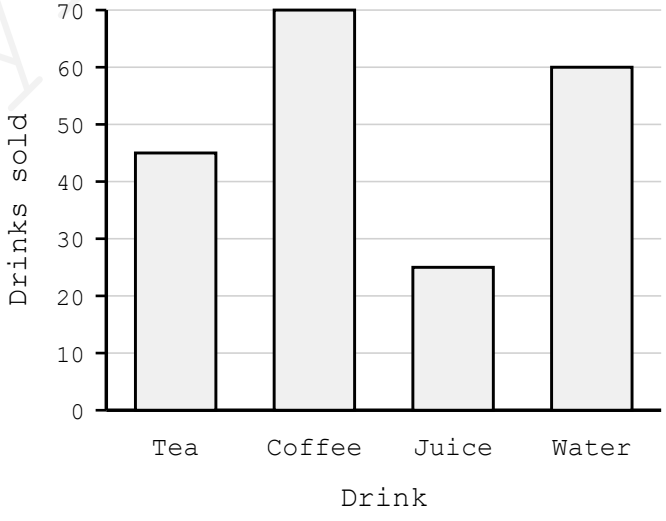
Data Handling & Probability: Medium Practice Paper 2

Q1. The bar chart shows the drinks sold in a café one morning. How many juices were sold?



A. 15 B. 20 C. 25 D. 45 E. 60

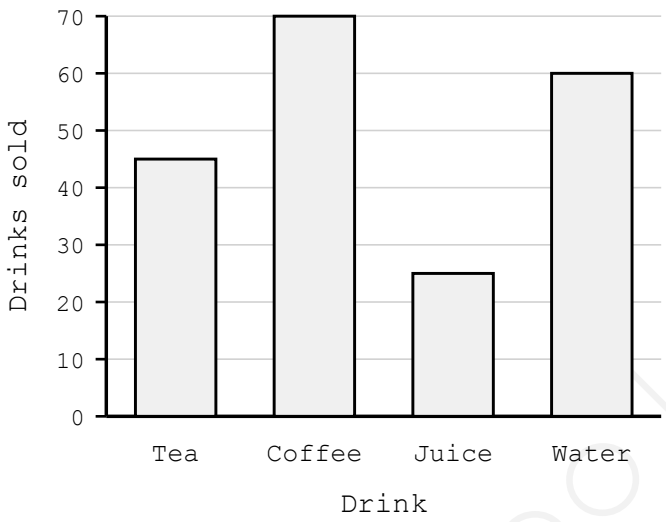
Q2. Use the bar chart. How many more coffees than teas were sold?



A. 25 B. 30 C. 35 D. 45 E. 115

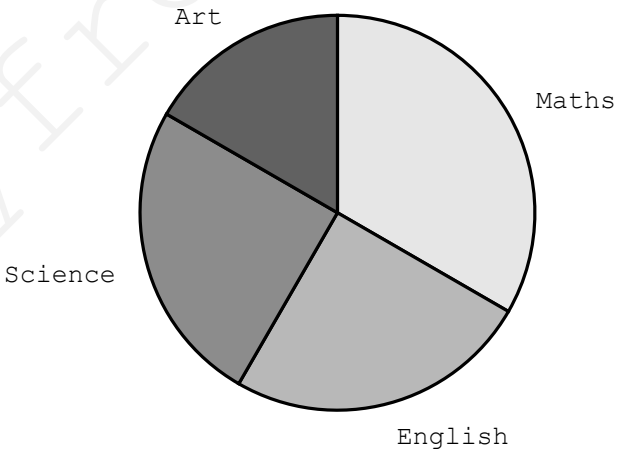
myfreeschool

Q3. Use the bar chart. What is the mean number of drinks sold per type of drink?



A. 40 B. 45 C. 48 D. 50 E. 55

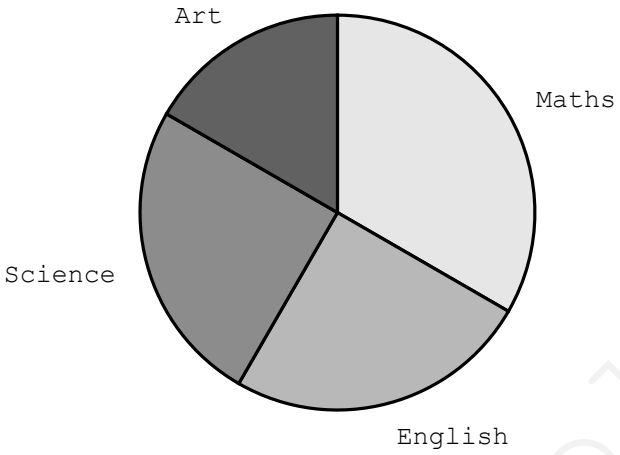
Q4. The pie chart shows the favourite subject of 60 pupils. The maths sector has an angle of 120°. How many pupils chose maths?



A. 15 B. 20 C. 24 D. 30 E. 36

myfreeschool

Q5. Use the same pie chart of 60 pupils. The art sector has an angle of 60°. How many pupils chose art?



A. 10 B. 12 C. 15 D. 20 E. 30

Q6. The two-way table shows the tickets sold at a theatre and a cinema. How many tickets were sold altogether?

Tickets	Adults	Children
Cinema	36	54
Theatre	28	22

A. 100 B. 110 C. 120 D. 130 E. 140

Q7. Use the two-way table. How many more children than adults went to the cinema?

Tickets	Adults	Children
Cinema	36	54
Theatre	28	22

A. 12 B. 16 C. 18 D. 22 E. 90

myfreeschool

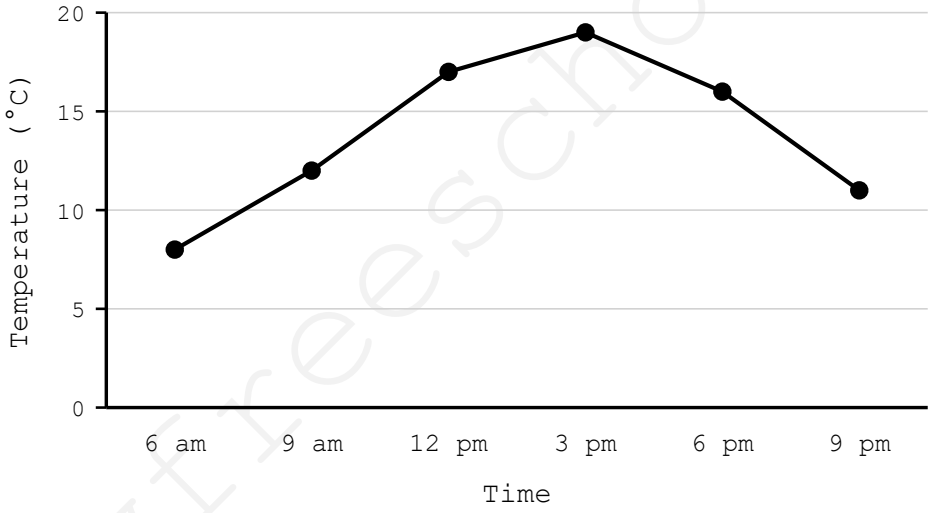
Q8. The mean of four numbers is 12. Three of the numbers are 9, 15 and 10. What is the fourth number?

A. 10 B. 12 C. 13 D. 14 E. 16

Q9. A spinner has 10 equal sections: 3 are red, 2 are blue and 5 are yellow. What is the probability that it does not land on yellow?

A. 3/10 B. 1/2 C. 3/5 D. 7/10 E. 4/5

Q10. The line graph shows the temperature during one day. Between which two times did the temperature fall the most?



A. 6 am and 9 am

B. 9 am and 12 pm

C. 12 pm and 3 pm

D. 3 pm and 6 pm

E. 6 pm and 9 pm

Q11. In a pictogram one square stands for 12 cakes. How many cakes does a row of 2 and a half squares stand for?

A. 30 B. 36 C. 42 D. 48 E. 60

myfreeschool

Q12. The table shows the goals scored by a team in 20 matches. What is the median number of goals?

Goals	Number of matches
0	2
1	5
2	6
3	4
4	3

A. 1 B. 1.5 C. 2 D. 2.5 E. 3

Q13. Use the two-way table of tickets. One of the theatre tickets is chosen at random. What is the probability that it is a child's ticket?

Tickets	Adults	Children
Cinema	36	54
Theatre	28	22

A. 2/5 B. 11/25 C. 1/2 D. 14/25 E. 3/5

Q14. In a group of 40 pupils, 22 like apples and 19 like bananas. 6 pupils like neither. How many pupils like both?

A. 3 B. 4 C. 5 D. 7 E. 9

Q15. A fair six-sided dice is rolled 60 times. How many times would you expect to roll a multiple of 3?

A. 6 B. 10 C. 12 D. 15 E. 20

myfree-school