

Q:1 Directions: Table given below shows the number of appliances of different types sold by 5 companies A, B, C, D and E. Answer the questions on the basis of this information.

	Mobiles	TV	Fridge	Earphone	Microwave
A	8000	850	500	12000	550
B	6500	1100	450	11500	400
C	1800	2500	320	15000	500
D	3200	2200	440	8500	650
E	4500	1700	270	9000	800

The ratio of total number of mobiles in C and D together to total number of earphones in B and D together is?

1. 2 : 5
2. 1 : 4
3. 4 : 1
4. 5 : 2

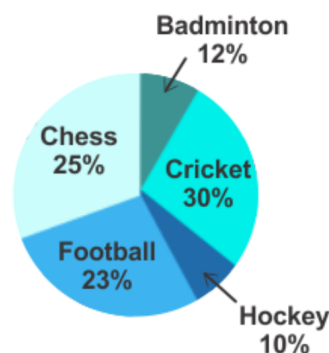
Q:2 Directions: Table given below shows the number of appliances of different types sold by 5 companies A, B, C, D and E. Answer the questions on the basis of this information.

	Mobiles	TV	Fridge	Earphone	Microwave
A	8000	850	500	12000	550
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E	4500	1700	270	9000	800

The company which sells the least number of Microwaves is X times the company which sells the highest number of earphones. Find the value of X.

1. 38.5
2. 40
3. 37.5
4. 35

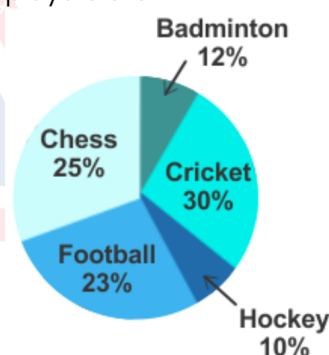
Q:3 Directions: The following pie-chart shows the percentage-wise distribution of players who play five different sports and the total number of players are 6900.



What is the difference between the number of players who play football and the number of players who play badminton and hockey together?

1. 75
2. 69
3. 78
4. 65

Q:4 Directions: The following pie-chart shows the percentage-wise distribution of players who play five different sports. The total number of players are 6900.



What is the average number of players who play football, chess and badminton?

1. 1380
2. 1794
3. 1265
4. 1670

Q:5 Direction: A user made six calls in a day and table given below shows the duration (minutes) of phone calls and charges of the phone call.

Phone calls	Duration (min)	Charges
1st	56	15 paisa/min
2nd	64	0.75 paisa/s
3rd	48	10 paisa/min
4th	36	0.5 paisa/s
5th	72	0.45 paisa/s
6th	66	12 paisa/min

Find the difference between the charges paid by the customer for the 1st call and 6th call?

- 42 paisa
- 32 paisa
- 48 paisa
- 36 paisa

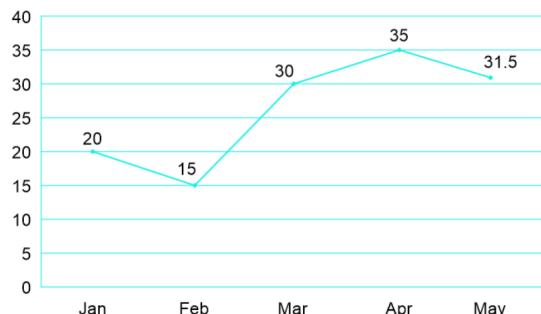
Q:6 Direction: A user made six calls in a day and table given below shows the duration (minutes) of phone calls and charges of the phone call.

Phone calls	Duration (min)	Charges
1st	56	15 paisa/min
2nd	64	0.75 paisa/s
3rd	48	10 paisa/min
4th	36	0.5 paisa/s
5th	72	0.45 paisa/s
6th	66	12 paisa/min

What is the total charged paid by user for 2nd and 5th calls together?

- Rs. 5628
- Rs. 4824
- Rs. 7236
- Rs. 6432

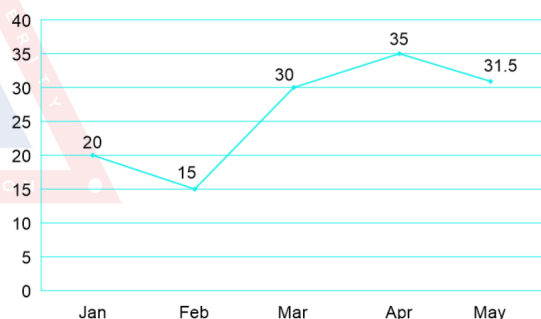
Q:7 Directions: Study the following line graph and answer the questions accordingly.
The line graph shows the value per unit of share of the company in five months.



A person purchased shares for Rs 22000, Rs 16500, and Rs 18000 in the months of January, February, and March respectively. If he sell all the shares in April. Find the profit made by that person.

- Rs 28500
- Rs 34500
- Rs 39500
- Rs 41500

Q:8 Directions: Study the following line graph and answer the questions accordingly.
The line graph shows the value per unit of share of the company in five months.



A buys a share worth Rs 15000 in January and Rs 21000 in February. If he had invested all the money in February, how many more shares would he have got?

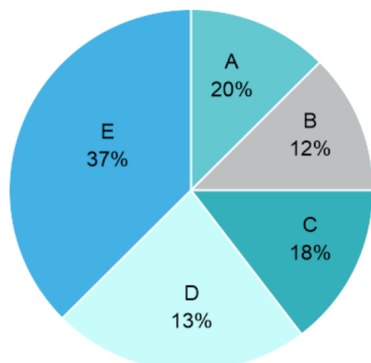
- 200
- 250
- 300
- 350

Q:9 Directions: The pie chart given below represents the distribution of different types of magazines sold in a locality. The total number of magazines sold is 3000. Study the pie chart carefully and answer the following questions.

Date : 1st Dec 2023

Quantitative Aptitude – Data Interpretation

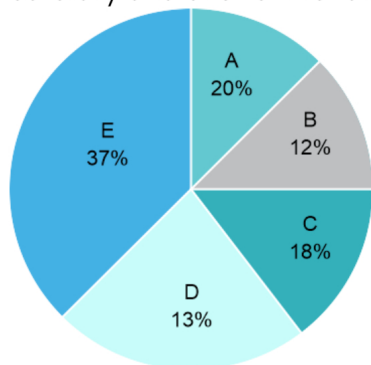
English



Number of copies sold of Magazine B is what percent of Number of copies sold of Magazine A?

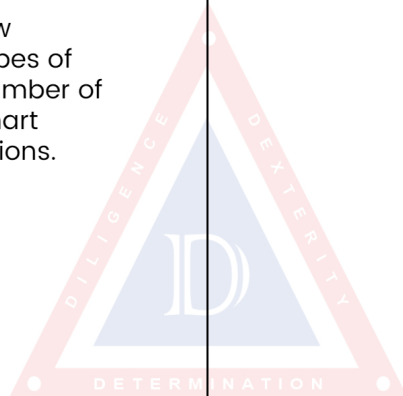
1. 50%
2. 40%
3. 30%
4. 60%

Q:10 Directions: The pie chart given below represents the distribution of different types of magazines sold in a locality. The total number of magazines sold is 3000. Study the pie chart carefully and answer the following questions.



Find the average of the sum of the magazines A, D and E.

1. 600
2. 700
3. 770
4. 750



Answer Key

1. (2)	2. (3)	3. (2)	4. (1)	5. (3)
6. (2)	7. (4)	8. (2)	9. (4)	10. (2)

Answers and Solutions

Q:1 The correct answer is **option 2** i.e. **1 : 4**

Mobiles in C and D together = $1800 + 3200 = 5000$

Earphones in B and D together = $11500 + 8500 = 20000$

Required Ratio = $5000 : 20000 = 1 : 4$

Q:2 The correct answer is **option 3** i.e. **37.5**

Minimum number of Microwaves sold = B = 400

Highest number of earphones sold = C = 15000

$\Rightarrow 400 \times X = 15000$

$\Rightarrow X = 37.5$

Q:3 The correct answer is **option 2** i.e. **69**

Understanding	Application
In the pie-chart 23% of players play football 10% of players play hockey 12% of players play badminton	The difference between players who play football and hockey & badminton together. $\{23\% - (10\% + 12\%)\}$ of $6900 = 1\%$ of $6900 = 69$.

Q:4 The correct answer is **option 1** i.e. **1380**

Average = Sum of total players/Types of total sports

23% of players play football

25% of players play chess

12% of players play badminton

Total number of players = $(23\% + 25\% + 12\%)$ of
 $6900 = 60\%$ of $6900 = 4140$

Average number of players = $4140/3 = 1380$

Q:5 The correct answer is **option 3** i.e. **48 paisa**.

Total charges paid by customer for 1st call = $(56 \times 15) = 840$ paisa = Rs. 8.4

Total charges paid by customer for 6th call = $(66 \times 12) = 792$ paisa = Rs. 7.92

Hence,

Required difference = $(8.4 - 7.92) = \text{Rs } 0.48 = 48$ paisa

Q:6 The correct answer is **option 2** i.e. **Rs. 4824**.

Total charged paid by user for 2nd call = $64 \times (0.75 \times 60) = \text{Rs. } 2880$

Total charged paid by user for 5th call = $72 \times (0.45 \times 60) = \text{Rs. } 1944$

Hence,

Total charges = $(2808 + 1944) = \text{Rs. } 4824$

Q:7 The correct answer is **option 4** i.e. **Rs 41500**.

Number of shares bought in January = $22000/20 = 1100$

Number of shares bought in February = $16500/15 = 1100$

Number of shares bought in March = $18000/30 = 600$

Total number of shares = $(1100 + 1100 + 600) = 2800$

The amount for it was sold in April = $(2800 \times 35) = 98000$

Profit made = $98000 - 22000 - 16500 - 18000 = \text{Rs. } 41500$

Q:8 The correct answer is **option 2** i.e. **250**.

Number of shares bought = Amount invested/Value of share at that moment

In January, number of shares bought = $15000/20 = 750$

In February, number of shares bought = $21000/15 = 1400$

Total number of shares bought originally = $(750 + 1400) = 2150$

If all money was invested in February

Total number of shares = $(21000 + 15000)/15 = 2400$

The difference in the number of shares = $(2400 - 2150) = 250$

Q:9 The correct answer is **option 4** i.e. **60%**.

Calculations:

Total number of magazines sold = 3000

Total number of copies sold of magazine A = 20% of 3000 = 600



Date : 1st Dec 2023

Quantitative Aptitude – Data Interpretation

English

Total number of copies sold of magazine B = 12% of 3000 = 360

Required percentage = $(360/600) \times 100 = 60\%$

Q:10 The correct answer is **option 2** i.e. **700**.

Calculations:

Total number of magazines = 3000

Total number of magazine A = 20% of 3000 = 600

Total number of magazine D = 13% of 3000 = 390

Total number of magazine E = 37% of 3000 = 1110

Sum = $(600 + 390 + 1110) = 2100$

Required average = $2100/3 = 700$

