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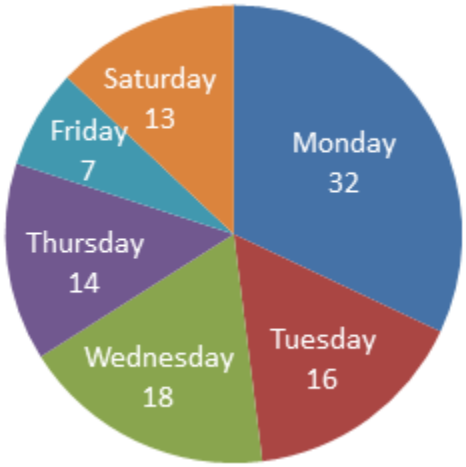
Date Interpretation Mixed Chart Questions Quiz for SBI Clerk Pre and IBPS Clerk Pre Exams.

DI Mixed Chart Quiz 53

Directions : Study the following pie chart and table chart carefully and answer the questions given beside.

The Pie-Chart below shows the percentage of distance travelled by the car on different days of the week

Distance travelled by the car



Total Distance travelled by the car = 2500 Km

The table shows the speed of the car on different days of the week in Km/hr

Days	Speed
Monday	–
Tuesday	50
Wednesday	–
Thursday	55
Friday	–
Saturday	80

1. If the speed of the car on Wednesday is 4/5 of the speed of the car on Saturday then find the ratio of time taken by the car on Tuesday and Wednesday?

A. 256 : 225 B. 255 : 143 C. 67 : 41 D. 73 : 87 E. None of these

2. If the speed of the car on Sunday is 20% more than the speed on Thursday while the distance travelled on Sunday is equal to distance travelled on Monday then find the time taken(in hours) to travel the distance by the car on Sunday?

A. $13\frac{5}{7}$ B. $12\ \frac{4}{33}$ C. $14\frac{6}{17}$ D. $17\frac{2}{3}$ E. None of these

3. The car started with its usual speed on Tuesday but when half of the distance was covered there was breakdown in the car due to which the car travelled with 2/5 of its usual speed , find the additional time taken to cover the same distance?

A. 14 hours B. 6 hours C. 8 hours D. 10 hours E. None of these

4. Find the difference between the time taken by the car on Tuesday and Friday if the speed of the cars on these days were in the ratio 5 : 7.

A. 6.5 hours B. 2.8 hours C. 5.5 hours D. 8.5 hours E. None of these

5. Find the ratio of speed of the car on Friday to Saturday if the total time taken to travel on Friday and Tuesday is equal to 13 hours.

A. 3 : 19 B. 7 : 16 C. 19 : 5 D. 3 : 5 E. None of these

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Correct Answers:

1	2	3	4	5
A	B	B	C	B

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Explanations:

1. Distance travelled on Tuesday = 16% of 2500 = 400 km

Distance travelled on Wednesday = 18% of 2500 = 450 km

Time taken on Tuesday = $\frac{400}{50}$ = 8 hours

Speed of the car on Wednesday = $\frac{4}{5} \times 80$ = 64 kmph

Time taken on Wednesday = $\frac{450}{64} = \frac{225}{32}$

Ratio of time taken on Tuesday to Wednesday

= 8 : $\frac{225}{32}$ = 256 : 225

Hence, option A is correct.

2.

Speed of the car on Sunday= $55 \times \frac{120}{100}$ = 66 kmph

Distance travelled on Sunday = 800 km

Time taken = $\frac{800}{66} = 12\frac{4}{33}$ hours

Hence, option B is correct.

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3.

Distance travelled on Tuesday = $\frac{16}{100} \times 2500 = 400$ km

Speed of the car = 50km/hour

Time taken to cover 200 km = $\frac{200}{50} = 4$ hours

Speed of the car after breakdown = $\frac{2}{5} \times 50 = 20$kmph

So, Time required = $\frac{200}{20} = 10$ hours

Total Time taken= 10 + 4 = 14 hours

Actual time without breakdown = $\frac{400}{50} = 8$ hours

Additional time = 14 – 8 = 6 hours

Hence, option B is correct.

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4.

Speed on Friday = $50 \times \frac{7}{5} = 70$ kmph

Time taken on Friday = $\frac{175}{70}$

Time taken on Tuesday = $\frac{400}{50} = 8$ hours

Difference = $8 - \frac{175}{70} = \frac{385}{70} = 5.5$ hours

Hence, option C is correct.

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5.

Time taken on Tuesday = $\frac{400}{50}$ = 8 hours

Time taken on Friday = 5 hours

Speed on Friday = $\frac{175}{5}$ = 35 kmph

So,

Ratio = 35 : 80 = 7 : 16

Hence, option B is correct.

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