

Statistics Questions Overview

Statistics Questions have a good weightage in the Banking Exam and the type of question asked in Banking exam is similar to the question mentioned below. It has been solved and explained by Gargi.ai Experts and they have tried to elaborate the concept used in Statistics Questions.

Statistics Questions

The following pie chart gives Information about distance travelled by 4 friends. Total distance travelled by Rahul is 475 km. Read the chart carefully and answer the questions:

Question

Amit is 30% slower than Saket, If Saket took 3 hours to cover his distance, how much time Amit took to cover his distance?

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. 9.6 hours
2. 9.9 hours
3. 10.2 hours
4. 10.4 hours
5. 10.8 hours

Solution

The correct answer is **option 4** i.e. **10.4 hours**

Understanding	Application
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Given, Rahul covered 475 km and that is 19% of this pie chart

So, 1% of the pie chart represents = $475/19 = 25$ km

Distance covered by Saket = $25 \times 16 = 400$ km

Distance covered by Amit = $39 \times 16 = 975$ km

Now saket covered the distance in 3 hours.

Speed of Saket = $400/3 = 133.33$ Km/hr

Speed of Amit = 30% less than speed of saket = $0.7 \times 133.33 = 93.33$ Km/hr

Time taken by Amit = $975/93.33 = 10.4$ hours