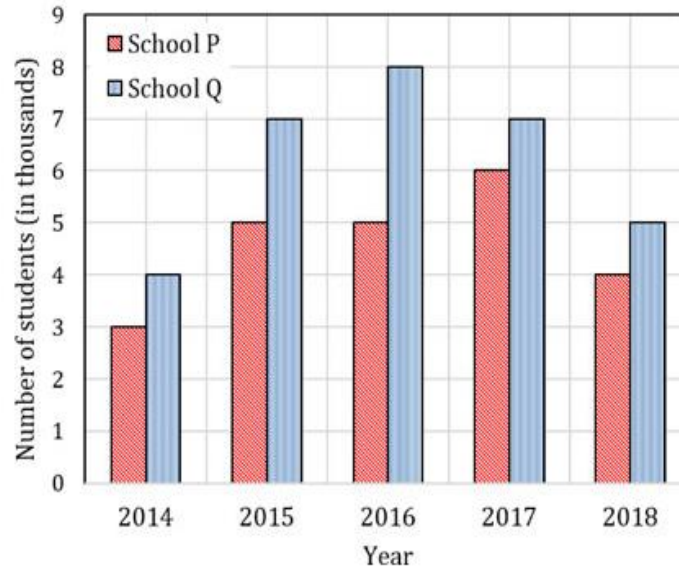


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GATE Aptitude Practice Questions Averages

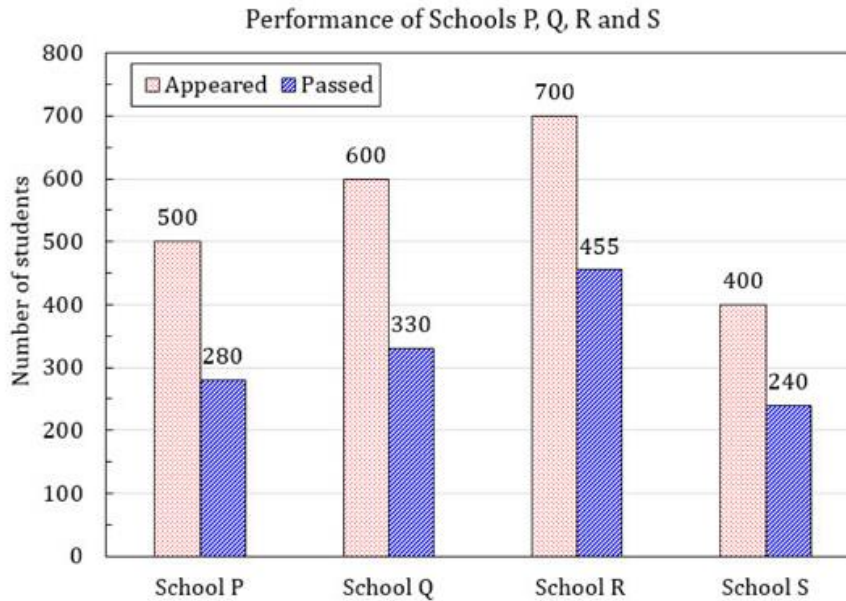
- Q.No.1 The following figure shows the data of students enrolled in 5 years (2014 to 2018) for two schools P and Q. During this period, the ratio of the average number of the students enrolled in school P to the average of the difference of the number of students enrolled in schools P and Q is _____.



- (A) 8 : 23
(B) 23 : 8
(C) 23 : 31
(D) 31 : 23

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Q.No. 2 The bar graph shows the data of the students who appeared and passed in an examination for four schools P, Q, R and S. The average of success rates (in percentage) of these four schools is _____.



- (A) 58.5 %
- (B) 58.8 %
- (C) 59.0 %
- (D) 59.3 %

Q.No. 3 An automobile travels from city A to city B and returns to city A by the same route. The speed of the vehicle during the onward and return journeys were constant at 60 km/h and 90 km/h, respectively. What is the average speed in km/h for the entire journey?

- (A) 72
- (B) 73
- (C) 74
- (D) 75

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Q.No. 4

In a company with 100 employees, 45 earn Rs. 20,000 per month, 25 earn Rs. 30,000, 20 earn Rs. 40,000, 8 earn Rs. 60,000, and 2 earn Rs. 150,000. The median of the salaries is

- (A) Rs. 20,000 (B) Rs. 30,000 (C) Rs. 32,300 (D) Rs. 40,000

Q.No. 5

The number of students in a class who have answered correctly, wrongly, or not attempted each question in an exam, are listed in the table below. The marks for each question are also listed. There is no negative or partial marking.

| Q No. | Marks | Answered Correctly | Answered Wrongly | Not Attempted |
|-------|-------|--------------------|------------------|---------------|
| 1 | 2 | 21 | 17 | 6 |
| 2 | 3 | 15 | 27 | 2 |
| 3 | 1 | 11 | 29 | 4 |
| 4 | 2 | 23 | 18 | 3 |
| 5 | 5 | 31 | 12 | 1 |

What is the average of the marks obtained by the class in the examination?

- (A) 2.290 (B) 2.970 (C) 6.795 (D) 8.795

Q.No. 6 In any given year, the probability of an earthquake greater than Magnitude 6 occurring in the Garhwal Himalayas is 0.04. The average time between successive occurrences of such earthquakes is ___ years.

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Q.No. 7 What is the average of all multiples of 10 from 2 to 198?

- (A) 90 (B) 100 (C) 110 (D) 120

Q.No. 8 The table below has question-wise data on the performance of students in an examination. The marks for each question are also listed. There is no negative or partial marking in the examination.

| Q No. | Marks | Answered Correctly | Answered Wrongly | Not Attempted |
|-------|-------|--------------------|------------------|---------------|
| 1 | 2 | 21 | 17 | 6 |
| 2 | 3 | 15 | 27 | 2 |
| 3 | 2 | 23 | 18 | 3 |

What is the average of the marks obtained by the class in the examination?

- (A) 1.34 (B) 1.74 (C) 3.02 (D) 3.91

Q.No. 9 A car travels 8 km in the first quarter of an hour, 6 km in the second quarter and 16 km in the third quarter. The average speed of the car in km per hour over the entire journey is

- (A) 30 (B) 36 (C) 40 (D) 24

Q.No. 10 A tourist covers half of his journey by train at 60 km/h, half of the remainder by bus at 30 km/h and the rest by cycle at 10 km/h. The average speed of the tourist in km/h during his entire journey is

- (A) 36 (B) 30 (C) 24 (D) 18

Answer Key

| Q.No. | Ans. |
|-------|------|
| 1 | B |
| 2 | C |
| 3 | A |
| 4 | B |
| 5 | C |
| 6 | 25 |
| 7 | B |
| 8 | C |
| 9 | C |
| 10 | C |

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