

APTITUDE QUIZ

Q1. In a 60 litre mixture of milk and water, the ratio of milk to water is 4 : 1. Some amount of mixture is taken out and same amount of water is added to the mixture. Now, the ratio of milk to water becomes 1 : 1. Find the quantity of water added to the mixture.

- (a) 25 L
- (b) 22.5 L
- (c) 30 L
- (d) 15 L
- (e) 16L

Q2. A and B started a business with initial capitals of Rs. 10,000 and Rs. 15,000. After 6 months B withdraws Rs.5000 and a new investor C invests his money Rs. 18,000. After a year, if total profit is 4410 then what is the profit share of B?

- (a) Rs. 1,750
- (b) Rs. 1,850
- (c) Rs. 1,600
- (d) Rs. 1,575
- (e) Rs. 1,460

Q3. How many ways a committee of 5 persons can be made from 5 men and 4 women if at least one woman is in the committee?

- (a) 130
- (b) 110
- (c) 125
- (d) 120
- (e) None of these

Q4. What is the probability of coming a total sum of 8 by throwing two dices simultaneously?

- (a) 1/12
- (b) 31/36
- (c) 5/36
- (d) 7/36
- (e) None of these

Q5. A man invests his capital amount of 8000 in a scheme for 4 years, for first 2 years at simple interest of 5 % p.a. and for next two years at compound interest of 10% p.a. How much interest he will earn after 4 years.

- (a) Rs. 2648
- (b) Rs. 3450
- (c) Rs. 4500
- (d) Rs. 1850
- (e) None of these

Directions (6-10): What will come in place of question mark (?) in the following no. series?

Q6. 2, 11, 48, 243, ?

- (a) 1500
- (b) 1460
- (c) 1350
- (d) 1480
- (e) 1490

Q7. 11, 23, 16, 18, 21, 13, 26, ?

- (a) 11
- (b) 10
- (c) 8
- (d) 13
- (e) 15

Q8. 1, 0.5, 0.5, 0.75, 1.5, 3.75, ?

- (a) 11.25
- (b) 10.25
- (c) 9.75
- (d) 12.25
- (e) 14.25

Q9. 1, 1, 3, 23, ?

- (a) 350
- (b) 348
- (c) 365
- (d) 367

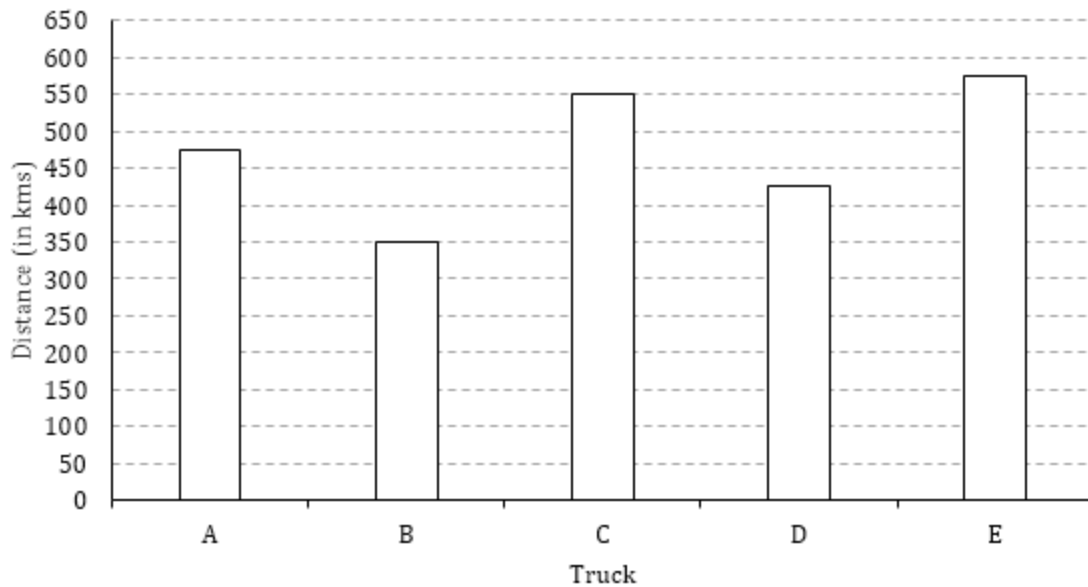
(e) 267

Q10. 9, 43, 169, 503, ?

- (a) 1001
- (b) 809
- (c) 999
- (d) 997
- (e) 1006

Direction (Q. 11-15): Study the following graph carefully to answer the following related questions:

Given graph shows distance (in km) travelled by five different trucks in in a day.



Q11. What is the ratio of the distance travelled by Truck A to the distance travelled by Truck D?

- (a) 17 : 19
- (b) 11 : 15
- (c) 19 : 17
- (d) 17 : 11
- (e) 13 : 15

Q12. What is the average distance travelled by all the trucks together?

- (a) 510 km
- (b) 515 km
- (c) 425 km
- (d) 475 km
- (e) 450 km

Q13. If Truck A covered the given distance at the average speed of 47.5 km/hr., what was the time taken by it to cover this distance?

- (a) 12 hours
- (b) 10 hours
- (c) 8 hours
- (d) 6 hours
- (e) 4 hours

Q14. The distance travelled by Truck E is approximately what percent of the total distance travelled by Truck B and C together?

- (a) 58%
- (b) $60\frac{1}{2}\%$
- (c) 52%
- (d) $63\frac{8}{9}\%$
- (e) $55\frac{3}{7}\%$

Q15. If the time taken by Truck C to cover the given distance was 8 hours, what was the average speed of the truck?

- (a) 54.75 km/hr
- (b) 65.25 km/hr
- (c) 52.25 km/hr
- (d) 68.75 km/hr
- (e) None of these

ANSWERS

1. B

2. A

3. C

4. A

5. B

6. B

7. C

8. A

9. D

10. A

11. C

12. D

13. B

14. D

15. D

