

Quantitative Aptitude

1. A vessel contains mixture of milk and water in the ratio of 7:1 respectively. 24 liters mixture is removed from the vessel and if the quantity of remaining milk in the vessel is 56 liters, then find quantity of water in the vessel initially.

- (a) 11 liters**
- (b) 15 liters**
- (c) 12 liters**
- (d) 9 liters**
- (e) 8 liters**

2. A & B together can complete a piece of work in 9 days. Time taken by A alone to complete the same work is 7.5 days less than time taken by B alone to complete the same work. In how many days B alone will complete $\frac{2}{9}$ of the work?

- (a) 8 days**
- (b) 6 days**
- (c) 7 days**
- (d) 5 days**
- (e) 4 days**

3. Ratio of ages of A and B, 4 years later is 8:9 respectively. If average of present ages of A & B is 47 years, then find difference in present ages of A & B.

- (a) 5 years**
- (b) 6 years**
- (c) 3 years**
- (d) 2 years**
- (e) 4 years**

4. There are 75% boys out of total students (boys + girls) in a school and 39% of the total students of the school went on a picnic. If 32% of the total boys went on a picnic, then find what percent of total girls went on a picnic?

- (a) 60%**
- (b) 90%**
- (c) 75%**
- (d) 80%**
- (e) 50%**

5. Number of passed students in an exam in section A & B are 240 & 210 respectively. If in section A 40% of the total students got failed and in section B 30% of the total students got failed, then find difference between total number of students in section A & B.

(a) 40

(b) 80

(c) 150

(d) 120

(e) 100

6. 'A' invested Rs.4000 and 'B' invested Rs.1000 more than A. After eight months 'C' invested Rs.3000. If at the end of the year 'C' gets profit of Rs.700, then find the total profit.

- (a) Rs.7000**
- (b) Rs.8400**
- (c) Rs.5600**
- (d) Rs.8800**
- (e) Rs.640**

7. 440 meters long train passes a platform in 80 seconds. If speed of train is increased by 3 m/sec, then it crosses a pole in 22 seconds. Find the length of platform.

- (a) 720m**
- (b) 840m**
- (c) 700m**
- (d) 920m**
- (e) 900m**

8. Selling price of an article becomes Rs.2160 after giving two successive discounts of $x\%$ and 25% and marked price of article is Rs.3600. Find the cost price of article if there is a profit of $x\%$ on selling the article after giving two successive discounts.

- (a) Rs. 1720**
- (b) Rs.1500**
- (c) Rs.1600**
- (d) Rs.1800**
- (e) Rs.1900**

9. There are 5 green balls, 7 blue balls and 3 red balls in a bag. If 2 balls are chosen randomly from the bag, then find the probability that at least one ball is green ball.

(a) $\frac{1}{9}$

(b) $\frac{2}{7}$

(c) $\frac{3}{8}$

(d) $\frac{3}{5}$

(e) $\frac{4}{7}$

10. Speed of boat in still water is six times of speed of stream. If boat covers 210 km in upstream in 7 hours, then find the downstream speed of boat?

- (a) 42 km/hr.**
- (b) 36 km/hr.**
- (c) 30 km/hr.**
- (d) 32 km/hr.**
- (e) 24 km/hr.**

11. Length of rectangle 'A' is 125% of its breadth and area of rectangle 'A' is 1280 cm². If width of rectangle 'A' is half of the side of a square, then find perimeter of square.

(a) 72m

(b) 64m

(c) 84m

(d) 96m

(e) 60m

12. The average weight of a class of 45 girls is 53 kg. It was later found that weight of two girls was read as 49 kg and 57 kg instead of 45 kg and 52 kg. Find the actual average weight of the class.

- (a) 54 kg**
- (b) 53.40 kg**
- (c) 50.6 kg**
- (d) 52.80 kg**
- (e) 51.5 kg**