

Flextronics Aptitude Placement Paper

1. A train 150 meters long is running at a speed of 54 km/h. How long will it take to cross a pole?

Options:

- a) 5 sec**
- b) 8 sec**
- c) 10 sec**
- d) 12 sec**

Answer: c) 10 sec

2. The sum of the present ages of A and B is 56 years. Four years ago, the ratio of their ages was 3:4. What is A's present age?

Options:

- a) 24 years**
- b) 26 years**
- c) 28 years**
- d) 30 years**

Answer: a) 24 years

3. If the price of sugar increases by 20%, by what percentage should a consumer reduce his consumption to maintain the same expenditure?

Options:

a) 16.67%

b) 20%

c) 25%

d) 33.33%

Answer: a) 16.67%

4. Two pipes A and B can fill a tank in 15 hours and 20 hours, respectively. If both are opened together, how long will it take to fill the tank?

Options:

a) 6 hours

b) 8 hours

c) 12 hours

d) 17 hours

Answer: b) 8 hours

5. A shopkeeper offers a discount of 20% on an article and still makes a profit of 25%. If the marked price is ₹1,200, what is the cost price?

Options:

- a) ₹720**
- b) ₹750**
- c) ₹800**
- d) ₹850**

Answer: c) ₹800

6. A person invested a certain sum at 5% simple interest per annum for 4 years, and the interest received was ₹800. What was the principal amount?

Options:

- a) ₹3,000**
- b) ₹4,000**
- c) ₹5,000**

d) ₹6,000

Answer: b) ₹4,000

7. The difference between the compound interest and simple interest on ₹10,000 at 10% per annum for 2 years is:

Options:

a) ₹100

b) ₹120

c) ₹150

d) ₹200

Answer: d) ₹200

8. A 240-meter-long train crosses a platform in 20 seconds while running at a speed of 72 km/h. What is the length of the platform?

Options:

a) 160 m

b) 180 m

c) 210 m

d) 240 m

Answer: b) 180 m

9. A man walks from A to B at 4 km/h and returns at 6 km/h. What is his average speed for the entire journey?

Options:

a) 4.8 km/h

b) 5 km/h

c) 5.2 km/h

d) 5.5 km/h

Answer: a) 4.8 km/h

10. A and B together can complete a work in 12 days. B alone can complete the work in 18 days. How long will A alone take to complete the work?

Options:

a) 24 days

b) 30 days

c) 36 days

d) 40 days

Answer: c) 36 days

11. The sum of three consecutive odd numbers is 51. What is the largest number?

Options:

a) 15

b) 17

c) 19

d) 21

Answer: c) 19

12. The perimeter of a rectangle is 64 cm. If its length is twice its breadth, what is its area?

Options:

a) 128 cm²

b) 192 cm²

c) 256 cm^2

d) 320 cm^2

Answer: b) 192 cm^2

13. If a number is increased by 25%, then decreased by 20%, what is the net percentage change?

Options:

a) 0%

b) 2% decrease

c) 2% increase

d) 5% increase

Answer: c) 2% increase

14. A mixture contains milk and water in the ratio 5:3. If 16 liters of mixture is taken out and replaced with water, the ratio becomes 5:7. What is the total quantity of the mixture?

Options:

a) 32 liters

b) 40 liters

c) 48 liters

d) 56 liters

Answer: b) 40 liters

15. A clock is set right at 12:00 PM. It loses 5 minutes every hour. What will be the actual time when the clock shows 6:00 PM?

Options:

a) 6:20 PM

b) 6:30 PM

c) 7:00 PM

d) 7:20 PM

Answer: d) 7:20 PM