

Arithmetic Questions for Railway Recruitment Examinations

1. If the price of 10 apples is INR 150, what is the price of 15 apples?

- A) INR 200
- B) INR 225
- C) INR 250
- D) INR 275

2. A train travels 180 km in 3 hours. How long will it take to travel 540 km at the same speed?

- A) 6 hours
- B) 8 hours
- C) 9 hours
- D) 12 hours

3. If 18 workers can complete a project in 15 days, how many days will it take for 9 workers to complete the same project?

- A) 20 days
- B) 25 days
- C) 30 days
- D) 35 days

4. Simplify: $(315 + 487) \div 8$

- A) 90
- B) 100
- C) 110
- D) 125

5. The sum of two numbers is 220, and their difference is 56. What is the smaller number?

- A) 82

- B) 84
- C) 86
- D) 88

6. What is the compound interest on INR 15,000 at 12% per annum for 2 years, compounded annually?

- A) INR 3,672
- B) INR 3,840
- C) INR 3,936
- D) INR 4,056

7. A person buys a laptop for INR 30,000 and sells it at a profit of 18%. What is the selling price of the laptop?

- A) INR 34,000
- B) INR 35,400
- C) INR 36,000
- D) INR 37,800

8. If $4y - 9 = 27$, what is the value of y ?

- A) 8
- B) 9
- C) 10
- D) 12

9. The average of four consecutive numbers is 42. Find the largest of these numbers.

- A) 40
- B) 42
- C) 43

D) 44

10. A bike travels 90 km in 2 hours. What is its average speed in km/h?

A) 35 km/h

B) 40 km/h

C) 45 km/h

D) 50 km/h

11. If 8 notebooks cost INR 240, how much will 20 notebooks cost?

A) INR 550

B) INR 600

C) INR 650

D) INR 700

12. Two cars, each 150 meters long, are traveling in the same direction at 60 km/h and 45 km/h, respectively. How long will it take for the faster car to completely pass the slower car?

A) 60 seconds

B) 72 seconds

C) 80 seconds

D) 90 seconds

13. If a man spends 75% of his income and saves INR 3000, what is his total income?

A) INR 10,000

B) INR 12,000

C) INR 15,000

D) INR 18,000

14. Simplify: $\frac{4}{7} + \frac{3}{5} - \frac{2}{3}$

A) $\frac{11}{105}$

B) $53/105$

C) $61/105$

D) $67/105$

15. If the ratio of two numbers is 5:7 and their sum is 144, what are the numbers?

A) 60, 84

B) 65, 79

C) 70, 74

D) 72, 80

16. A pipe can fill a tank in 8 hours, and another pipe can empty it in 12 hours. If both pipes are opened, how long will it take to fill the tank?

A) 18 hours

B) 20 hours

C) 24 hours

D) 32 hours

17. Find the value of: $240 \times 18 \div 16$

A) 240

B) 270

C) 280

D) 300

18. If the perimeter of a rectangle is 80 cm and its length is 25 cm, what is its width?

A) 15 cm

B) 20 cm

C) 25 cm

D) 30 cm

19. A train passes a bridge of 100 meters in 20 seconds, and a pole in 10 seconds. Find the length of the train.

- A) 100 m
- B) 120 m
- C) 150 m
- D) 180 m

20. The price of a refrigerator is increased by 15% and then decreased by 5%. If the original price was INR 40,000, what is the final price?

- A) INR 42,000
- B) INR 43,200
- C) INR 44,000
- D) INR 45,600