

TCS NQT Numerical Ability Test

(Sample Questions)

Q1. The average age of a class of 20 students is 15 years. If the age of the teacher is included, which is 30 years, what is the new average age?

- a. 18.6 years
- ☒ b. 15.7 years
- c. 21 years
- d. 30 years

Q2. A company sells 100 widgets in a month. If 20% of the widgets are defective, how many defective widgets did the company sell?

- a. 2
- b. 4
- c. 10
- ☒ d. 20

Q3. Ramesh sold the stock of Company X for ₹7,200 and incurred a loss of 40%. At what price should he have sold the stock to have gained a profit of 25%?

- a. ₹12,800
- b. ₹16,400
- c. ₹13,800
- ☒ d. ₹15,000

Q4. If a company sells a bike with a marked price of ₹78,000 and gives a discount of 5% on ₹60,000 and 3% on the remaining amount, then the actual price charged by the company for a bike (in ₹) is:

- ☒ a. 74,460
- b. 75,520
- c. 75,850
- d. 75,952

Q5. If there are 63 litres of milk in a drum with a milk-to-water ratio of 7 : 9, what is the quantity of water in this mixture?

- a. 63 litres
- b. 79 litres
- ☒ c. 81 litres
- d. 98 litres

Q6. A recipe for a smoothie calls for 1 cup of strawberries for every 2 cups of milk. If you want to make a smoothie using 4 cups of strawberries, then how many cups of milk should you use?

- a. 2
- b. 4
- c. 6
- d. 8

Q7. The ratio of the compound interest accrued for 2 years and the simple interest accrued for 1 year on the same amount at r% p.a. is 2.21. What is the value of r?

- a. 21
- b. 11
- c. 20
- d. 10

Q8. The ratio between the speeds of two trains is 3 : 5. If the second train runs 300 km in 4 hours, then the speed of the first train (in km/h) is:

- a. 35
- b. 45
- c. 55
- d. 65

Q9. 4 women and 3 men can do a piece of work in 20 days while 2 women and 4 men can do the same piece of work in 30 days. How much time will be taken by 7 women and 9 men to do the same piece of work?

- a. 21 days
- b. 18 days
- c. 15 days
- d. 10 days

$$(4w + 3M) * 20 = (2w + 4m) * 30$$

$$80w + 60M = 60w + 120M$$

$$w = 3M$$

$$\text{Total work} = (4w + 3m) * 20 \Rightarrow (12. 3M + 3M) * 20 \Rightarrow 15M * 20$$

$$\text{Total work} = 300$$

$$7w + 9m = ? \Rightarrow 30M$$

$$300/30 = 10 \text{ Days}$$