# 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*