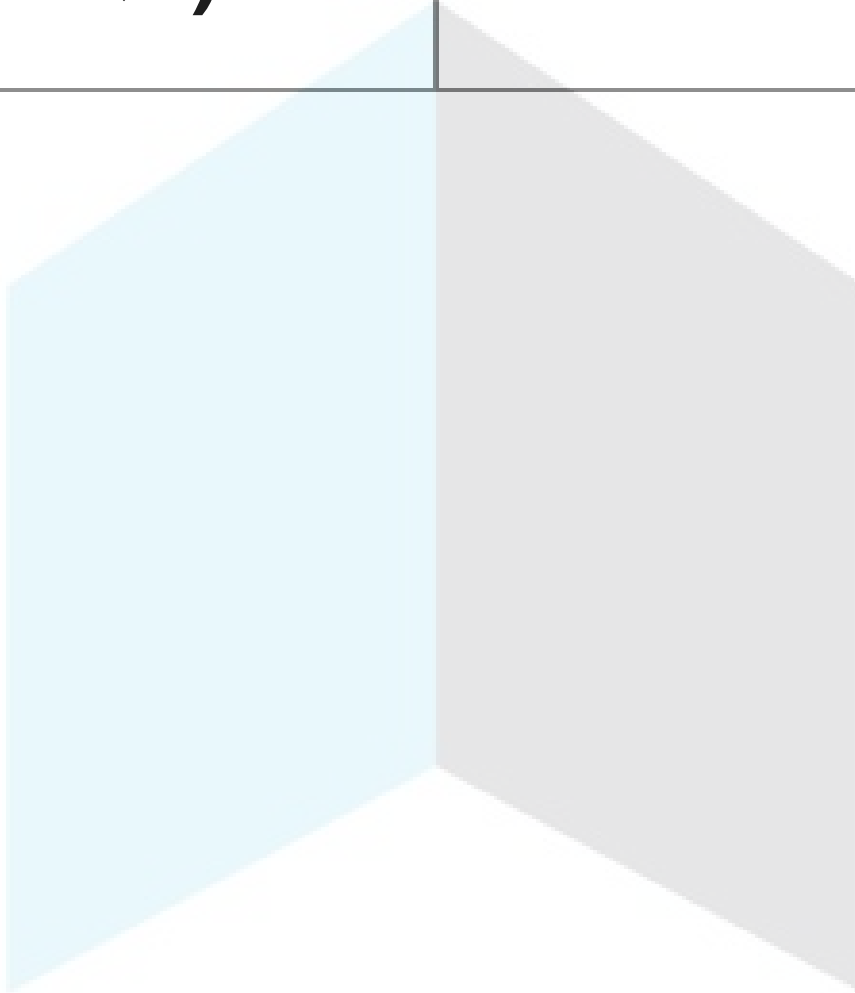


**TCS
(NQT)**

**Numerical Ability
2021 Practice Set - 1**



26 Questions

Que. 1 When 120 is multiplied by the cube of a number, then gives the product of the square of that number and seventy-fifth times of the cube of two-fifths of the number is obtained. What is the number provided that the number is greater than 0?

1. 15
2. 20
3. 5
4. 10

Testbook Solution Correct Option - 3

Que. 2 What is the sum of digits of the least number which when divided by 21, 28, 30 and 35 leaves the same remainder 10 in each case but is divisible by 17?

1. 11
2. 13
3. 14
4. 10

Testbook Solution Correct Option - 2

Que. 3 Roli alone can do work in eight days. Neelam alone can do the same work in twelve days while Seema alone can do the same work in thirteen days. If they are paid Rs.2225 for doing the same work together, then what will be the share of Roli (in Rs.)?

1. Rs.975
2. Rs.825
3. Rs.875
4. Rs.1125

Testbook Solution Correct Option - 1

Que. 4 If the 7-digit number $4x3074y$ is exactly divisible by 24, then which of the following is not a possible value for 'x'?

1. 2
2. 5
3. 1
4. 8

Testbook Solution Correct Option - 3

Que. 5 If $a + b = p$ and $ab = pq$ then find the value of $a^4 + b^4$.

1. $p^4 + 2p^2q^2 - 4p^3q$
2. $p^4 - 2p^2q^2 - 4p^3$
3. $p^4 + 2p^2q^2 + 4p^3$
4. $p^4 - 2p^2q^2 + 4p^3$

Testbook Solution Correct Option - 1

Que. 6 If $672xy$ is divisible by 3, 7, and 11 then find the value of $6x + 5y$.

1. 17
2. 15
3. 21
4. 18

Testbook Solution Correct Option - 1

Que. 7 If the amount of A is 45% more than B, C is 60% less than A and B together and D is 20% less than C and the amount difference between B and D is Rs. 21,600 then find the amount of C.

1. Rs. 82,000
2. Rs. 98,000
3. Rs. 96,000
4. Rs. 84,000

Testbook Solution Correct Option - 2

Que. 8 The total number of students in sections A and B of a class is 110. The number of students in A is 20% more than that of B. In an examination, the average score of students of B is 20% more than that of students of A. If the average score of all the students of the class is 84, then what is the average score of the students of A?

1. 78
2. 72
3. 77
4. 75

Testbook Solution Correct Option - 3

Que. 9 L is 20 percent less than T but T is 30 percent more than R. J is 30 percent of W and W is 10 percent of T. J is what percentage of R?

1. 6.1%
2. 8.4%
3. 4.3%
4. 3.9%

Testbook Solution Correct Option - 4

Que. 10 Find the median of given data.

{13, 2, 5, 18, 6, 3, 6, 7, 8, 11, 17}

1. 6
2. 6.5
3. 7
4. 8

Testbook Solution Correct Option - 3

Que. 11 Find the mean of median and mode of the given data.

23, 26, 22, 24, 22, 29, 24, 23, 22

1. 22.5
2. 25.5
3. 27.5
4. 30.5

Testbook Solution Correct Option - 1

Que. 12 The radius of wheel that makes 113 revolutions to go 2 km. 26 decameter is (Take $\pi = \frac{22}{7}$)

1. $4\frac{4}{13} m$
2. $6\frac{4}{11} m$
3. $12\frac{4}{11} m$
4. $3\frac{2}{11} m$

Testbook Solution Correct Option - 4

Que. 13 180 chocolates were distributed among A, B and C such that A received 5 times as much as B and C received 3 times as much as B. Find the number of chocolates received by B.

1. 25
2. 30
3. 20
4. 35

Testbook Solution Correct Option - 3

Que. 14 Two-person A and B are 880 km apart. A takes his bike and move towards B at a speed of 80 km/hr and B takes his car and moves towards A at a speed of 100 km/hr. If A started at 11 am and B started 2 hours later. at what time they do meet?

1. 2 pm
2. 5 pm
3. 3 pm
4. 4 pm

Testbook Solution Correct Option - 2

Que. 15 A policeman, while running to catch a thief, is 114 m behind the thief. The policeman runs 21 m and the thief runs 15 m every minute. In what time will the policeman catch the thief?

1. 18 minutes
2. 17 minutes
3. 19 minutes
4. 16 minutes

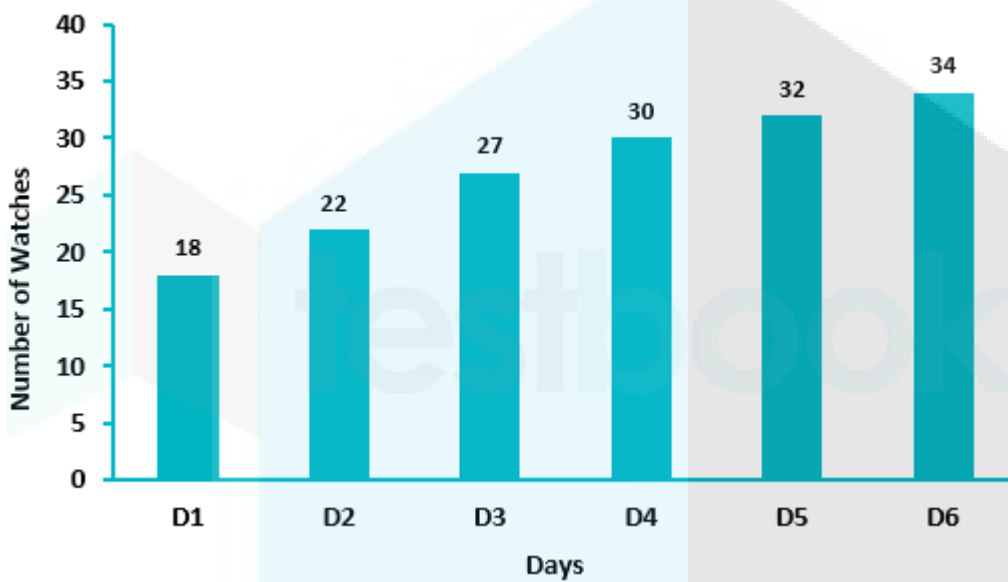
Testbook Solution Correct Option - 3

Que. 16 In a pot of 80 kg, 60% is copper 15% zinc and remaining is aluminium after melting 5% of aluminium lost. How much should aluminium (in kg) be required for the formation of the pot?

1. 21.05 kg
2. 22 kg
3. 25 kg
4. 25.01 kg

Testbook Solution Correct Option - 1

Que. 17 The bar diagram below shows the number of watches repaired by a mechanic on different days of the week.



If E, D3 and D5 represent the total number of watches repaired in a day and F, D1 and D4 represent the total number of repairs in the day, then E is what percent of F?

1. 152.91%
2. 122.91%
3. 132.91%
4. 142.91%

Testbook Solution Correct Option - 2

Que. 18 What is the mean deviation from the mean of the numbers 10, 9, 21, 16, 24 ?

1. 5.2
2. 5.0
3. 4.5
4. 4.0

Testbook Solution Correct Option - 1

Que. 19 Three cups contain a mixture of milk and water in ratios 13 : 12, 9 : 14, 2 : 1 respectively. 25 liters of the first and 23 liters of the second cup are taken. How much quantity from third cup is to be taken so that the final mixture from the three cups will have milk and water in a ratio 1 : 1?

1. 6 litres
2. 3 litres
3. 12 litres
4. 18 litres

Testbook Solution Correct Option - 3

Que. 20 4 years ago the ratio of age of two brothers was 7 : 6. The present age of their grandfather is 28 years more than the sum of their present age. If the present age of the grandfather is 88 years then what was the age of their grandfather at the time of birth of the younger brother?

1. 56
2. 64
3. 60
4. 66

Testbook Solution Correct Option - 3

Que. 21 Pratap lent Rs. 21,600 to be divided between his two sons, aged 9 years and 11 years, such that both of them would get an equal amount at certain age when lent at rate of 10% SI per annum. If their investments are in the ratio of 51 : 57 respectively, then at what age both received same amount?

1. 15 years
2. 16 years
3. 18 years
4. 21 years

Testbook Solution Correct Option - 3

Que. 22 Which of the following statement is correct?

1. If the speed is increased by 20%, the time taken to cover the same distance is reduced by 25%.
2. If the speed of a train is 45 km/h, it will take 16 seconds to cover 200 m.
1. ना ही 1 ना ही 2
2. केवल 1
3. केवल 2
4. 1 तथा 2 दोनों

Testbook Solution Correct Option - 3

Que. 23 The average mark of 40 students in an examination of 100 marks in a class is 85. The average of the top 15 students is 98 and that of the bottom 15 students is 70. Find the average marks of the remaining 10 students.

1. 89
2. 85
3. 88
4. 86

Testbook Solution Correct Option - 3

Que. 24 The following question has three statements. Study the question and the statements and decide which of the statement (s) is necessary to answer the question.

In how much time will a train cross a platform?

- I) Speed of the train is 54 km/hr.
- II) The train is 5 m smaller than the platform.
- III) The length of the train is 110 m.
- 1. Only (I)
- 2. (I) and (III)
- 3. All three
- 4. None

Testbook Solution Correct Option - 3

Que. 25 The incomes of A, B and C are in the ratio 6 : 8 : 5 and their expenditures are in the ratio 5 : 7 : 4. If C saves 40% of her income, then the ratio of savings of A, B and C is:

- 1. 9 : 11 : 8
- 2. 1 : 1 : 1
- 3. 9 : 8 : 11
- 4. 6 : 7 : 4

Testbook Solution Correct Option - 1

Que. 26 Shopkeeper sold an article at a loss of 16%. Had he sold it for Rs. 380.80 more, he would have gained 40%. Had the article sold for Rs. 697, then there would have been a:

- 1. loss of $12\frac{1}{2}\%$
- 2. loss of $2\frac{1}{2}\%$
- 3. gain of $12\frac{1}{2}\%$
- 4. gain of $2\frac{1}{2}\%$

Testbook Solution Correct Option - 4