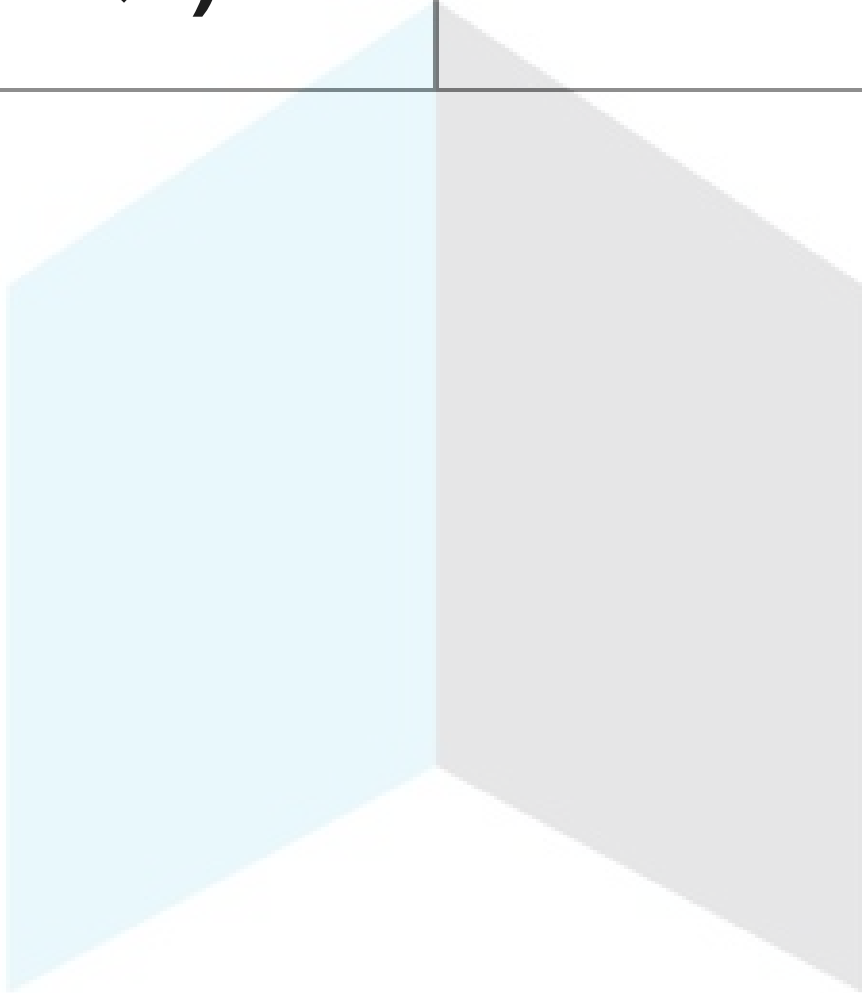


**TCS
(NQT)**

**Numerical Ability
2021 Practice Set - 3**



26 Questions

Que. 1 64329 is divided by a certain number. While dividing, the numbers 175, 114 and 213 appear as three successive remainders, the divisor is?

1. 184
2. 224
3. 234
4. 6250

Testbook Solution Correct Option - 3

Que. 2 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. 3 The hundreds digit of a three-digit number is 7 more than the units digit. The digit of the number are reversed, and the resulting number is subtracted from the original three-digit number. The units digit of the final number so obtained is

1. 0
2. 1
3. 2
4. 3

Testbook Solution Correct Option - 4

Que. 4 If $a = \frac{1}{7 - 4\sqrt{3}}$ and $b = \frac{1}{7 + 4\sqrt{3}}$, then the value of $a + b$ is

1. 49
2. 48
3. 14
4. 16

Testbook Solution Correct Option - 3

Que. 5 How many digits have been used to number the pages of a book, if it has 352 pages?

1. 848
2. 504
3. 759
4. 948

Testbook Solution Correct Option - 4

Que. 6 The mean of mode, median and range of the data:
2, 1, 2, 3, 3, 6, 4, 8, 14, 9, 4, 8, 4 is:

1. 7
2. 9
3. 4
4. 6

Testbook Solution Correct Option - 1

Que. 7 A person saves $x\%$ of his income. If his income increases by 20% and expenditure increases by $26\frac{2}{3}\%$, he still saves the same amount as before the increase in his income and expenditure. Then the value of x is:

1. 20
2. 25
3. 24
4. 30

Testbook Solution Correct Option - 2

Que. 8 Two pipes X and Y alone can fill an empty tank in 105 minutes and 140 minutes respectively, pipe Z can empty at the rate of 4 gallons per minute. If pipes X, Y, and Z are opened together and they fill an empty tank in 84 minutes, then what is the capacity of the tank?

1. 840 gallon
2. 420 gallon
3. 720 gallon
4. 360 gallon

Testbook Solution Correct Option - 1

Que. 9 The length, breadth and height of a room are 5 m, 4 m and 3 m, respectively. Find the cost of white washing the walls of the room and the ceiling at the rate of Rs.7.50 per m^2

1. Rs.555
2. Rs.259
3. Rs.348
4. Rs.459

Testbook Solution Correct Option - 1

Que. 10 A shopkeeper has 5 dozens of apples. On selling 12 apples for Rs. 600, he incurs a loss equivalent to the cost price of 2 apples. At what price should he mark the remaining 4 dozens of apples so that even after giving a discount of 20%, he would have an overall gain of 10%?

1. Rs. 3960
2. Rs. 4500
3. Rs. 3600
4. Rs. 4200

Testbook Solution Correct Option - 4

Que. 11 A shopkeeper sells 32 toffees for Re. 1 and loses 40%. In order to gain 20%, how many toffees should he sell for Re. 1?

1. 12
2. 14
3. 16
4. 18

Testbook Solution Correct Option - 3

Que. 12 A bag contains Rs. 720 in the form of 2 rupee, 5 rupee, and 10 rupee coins. The number of coins of 2 rupee, 5 rupee, and 10 rupee is in the ratio of 5 : 2 : 7. Find the number of 2 rupee coins.

1. 40
2. 80
3. 60
4. 84

Testbook Solution Correct Option - 1

Que. 13 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. 14 A bus starts running with the initial speed of 20 km/hr and its speed increases every hour by 10 km/hr. How much time will it take to cover a distance of 200 km?

1. 12 hours
2. 7 hours
3. 5 hours
4. 10 hours

Testbook Solution Correct Option - 3

Que. 15 A and B started moving simultaneously towards each other from places X and Y, respectively. After meeting on the way, A and B took 5.4 hours and 2.4 hours, respectively to reach Y and X, respectively. If the speed of B was 67.2 km/h, then the speed (in km/h) of A was:

1. 48.4
2. 45.4
3. 44.8
4. 50.6

Testbook Solution Correct Option - 3

Que. 16 Two Statements S1 and S2 are given below followed by a Question :

S1 : n is a prime number.

S2 : it leaves a remainder of 1 when divided by 4.

Question :

If it is a unique natural number between 10 and 20, then what is n?

Which one of the following is correct in respect of the above Statements and the Question?

1. S1 alone is sufficient to answer the Question.
2. S2 alone is sufficient to answer the Question.
3. S1 and S2 together are sufficient to answer the Question, but neither S1 alone nor S2 alone is sufficient to answer the Question.
4. S1 and S2 together are not sufficient to answer the Question.

Testbook Solution Correct Option - 4

Que. 17 What will be the simple interest on Rs. 4000 at $12\frac{1}{2}\%$ per annum for the period from 4th February, 2005 to 18th April, 2005?

1. Rs. 215
2. Rs. 120
3. Rs. 200
4. Rs. 100

Testbook Solution Correct Option - 4

Que. 18 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. 19 There are 3 types of rice. The amount of the rice is 703 kg, 851 kg and 333 kg respectively. The rice is packed such that no two types of rice are mixed. If the size of the packet is the largest and all packets have the same size, then what is the number of packets?

1. 51
2. 37
3. 39
4. 43

Testbook Solution Correct Option - 1

Que. 20 The sum of ages of a father and son is 45 years. Five years ago the product of their ages was four times the father's age at that time. The twice the difference, of father and son's age is:

1. 72
2. 45
3. 90
4. 54

Testbook Solution Correct Option - 4

Que. 21 If 0.35 of $x = 210\%$ of y , then find the value of $(7x + 2y)/(5x - 3y)$.

1. $48/27$
2. $44/27$
3. $32/27$
4. $37/27$

Testbook Solution Correct Option - 2

Que. 22 In a school, there are 2500 students. Of the total students, 40% are boys and the rest are girls. If 88% of the boys and 62% of the girls passed their final exam, find the percentage of students who failed the exam.

1. 25%
2. 29.5%
3. 27.6%
4. 28.2%

Testbook Solution Correct Option - 3

Que. 23 200 students took the examination in a school, and 13 percent of the students got distinction. The number of boys who got distinction is 2 more than the number of girls who got distinction. If 20 percent of the girls got distinction, find the total number of boys in the school?

1. 180
2. 120
3. 140
4. 220

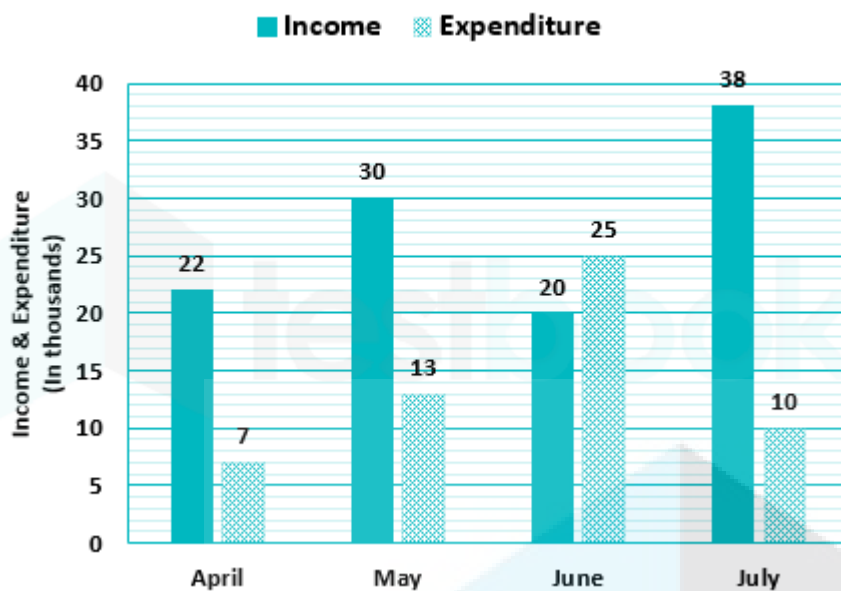
Testbook Solution Correct Option - 3

Que. 24 The ratio of number of male and female employees in a company was 5 : 4. Some new males and females joined the company in the ratio 2 : 3. The total number of employees become 1620 and the ratio of males to females become 68 : 67. Initially what was the total number of employees in the company?

1. 1080
2. 960
3. 840
4. 1200

Testbook Solution Correct Option - 1

Que. 25 The given bar graph represents the income and expenditure of a person during the four consecutive months, April to July 2019.



What is the average income of the person?

1. Rs. 20,500
2. Rs. 27,500
3. Rs. 25,500
4. Rs. 17,500

Testbook Solution Correct Option - 2

Que. 26 In a city, there are 3 major newspapers A, B and C of which at least two are read by 35% of population. A and B are read by 15%. C is read by 45% and that all the three are read by 10%. Then the percentage of people who read the newspaper C alone is

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

Testbook Solution Correct Option - 3