

TCS mock - 10

Q1. How many numbers are there between 99 and 1000, having at least one of their digits 7?

- (a) 90 (b) 180 (c) 252 (d) None of these

Q2. A grocer wishes to sell a mixture of two variety of pulses worth Rs.16 per kg. In what ratio must he mix the pulses to reach this selling price, when cost of one variety of pulses is Rs.14 per kg and the other is Rs.24 per kg?

- (a) 2:5 (b) 4:3 (c) 2:1 (d) 4:1 (e) 7:6

Q3. When 60% of a number is subtracted from another number, the second number reduces to its 52% ; the ratio of the first number to the second number is

- (a) 4 : 5 (b) 5 : 4 (c) 5 : 3 (d) 6 : 5

Q4. Some staff promised to do a job in 18 days, but 6 of them went on leave. So the remaining men took 20 days to complete the job. How many men were there originally ?

- (a) 55 (b) 56 (c) 60 (d) 62

Q5. By selling 21 articles there is a loss of selling price of 3 articles. Find the loss percent?

- (a) 12.5% (b) 14.28% (c) 16.66% (d) None of these

Q6. A dealer has 1000 kg sugar and he sells a part of it at 8% profit and the rest of it at 18% profit. The overall profit he earns is 14%. What is the quantity which is sold at 18% profit?

- (a) 250 kg (b) 600 kg (c) 620 kg (d) 400 kg (e) 450 kg

Q7. The average age of three boys is 20 years and 3 years ago their ages were in proportion

7 : 4 : 6. What is the age in years of the youngest boy?

- (a) 21 years (b) 12 years (c) 15 years (d) 18 years

Q8. Percentiles divide a series into _____.

- (a) Ten equal parts (b) Twenty equal parts (c) Fifty equal parts (d) Hundred equal parts

Q9. Amit started a business by investing Rs. 20000. After six months, Jatin joined him with a capital of Rs. 30000. After 3 years, they earned a profit of Rs. 24,300. What was Amit share in the profit?

- (a) Rs. 9423 (b) Rs. 10250 (c) Rs. 12500 (d) Rs. 10800

Q10. A parallelogram, the length of whose sides are 12 cm and 8 cm has one diagonal 10 cm long. The length of the other diagonal is:

- (a) 8.89 cm (b) 17.78 cm (c) 18.18 cm (d) 9.00 cm (e) None of these

Q11. 20 men can do a piece of work in 18 days. They worked together for 3 days, then 5 men joined them. In how many more days is the work completed?

- (a) 12 (b) 13 (c) 14 (d) 15

Q12. Ankita went to the stationers and bought things worth Rs. 25, out of which 30 paise went on sales tax on taxable purchases. If the tax rate was 6%, then what was the cost of the tax free items?

- (a) Rs. 15 (b) Rs. 15.70 (c) Rs. 19.70 (d) Rs. 20

Q13. The MRP of a cricket bat is Rs. 1000. A shopkeeper allowed a discount of 20% and gives a ball free costing Rs.80, still gain 20%. Find the cost price of the racket?

- (a) Rs. 720 (b) Rs. 576 (c) Rs. 600 (d) None of these

Q14. By selling 90 balls for ₹72 a person loses 20%. How many balls should be sold for ₹24 so as to have a profit of 20%?

- (a) 18 (b) 20 (c) 24 (d) None of these

Q15. A bag contains 50 p, 25 p, and 10 p coins in the ratio 5: 9 : 4, amounting to Rs. 412. Find the number of coins of 25 p .

- (a) 400 (b) 720 (c) 320 (d) None of these

Q16. Two trains are moving in opposite directions at 60 km/hr and 90 km/hr. Their lengths are 1100 m and 900 m respectively. The time taken by the slower train to cross the faster train in seconds is:

- (a) 36 (b) 45 (c) 48 (d) 49

Q17. A train 110 metres long is running with a speed of 60 kmph. In what time will it pass a man who is running at 6 kmph in the direction opposite to that in which the train is going?

- (a) 5 sec (b) 6 sec (c) 7 sec (d) 10 sec

Q18. Due to decrease in the price of sugar by 20%, a man able to buy 20 kg more in Rs. 200. Find the reduced price of the sugar per kg?

- (a) 2/kg (b) 8/kg (c) 10/kg (d) None of these

Q19. Two dices are thrown randomly . find the probability of getting a some equal to 0?

- (a) 1/36 (b) 1/12 (c) Data inadequate (d) None of these

Q20. Find the largest number of 3 digits which is a perfect square?

- (a) 944 (b) 996 (c) 961 (d) None of these

Direction for questions (21-23) : Each of the following questions is based on the following information:

- 8-trees → mango, guava, papaya, pomegranate, lemon, banana, raspberry and apple are in two rows 4 in each facing North and South.
- Lemon is between mango and apple but just opposite to guava.

3. Banana is at one end of a line and is just next in the right of guava or either banana tree is just after guava tree.

4. Raspberry tree which at one end of a line, is just diagonally opposite to mango tree.

Q21. Which of the following statements is definitely true?

- (a) Papaya tree is just near to apple tree.
- (b) Apple tree is just next to lemon tree.
- (c) Raspberry tree is either left to Pomegranate or after.
- (d) Pomegranate tree is diagonally opposite to banana tree.

Q22. Which tree is just opposite to raspberry tree?

- (a) Papaya
- (b) Pomegranate
- (c) Papaya or Pomegranate
- (d) Data is inadequate

Q23. Which tree is just opposite to banana tree?

- (a) Mango
- (b) Pomegranate
- (c) Papaya
- (d) Data is inadequate

Q24. There are deer and peacocks in a zoo. By counting heads they are 80. The number of their legs is 200. How many peacocks are there ?

- (a) 20
- (b) 30
- (c) 50
- (d) 60

Q25. A man wears socks of two colours - Black and brown. He has altogether 20 black socks and 20 brown socks in a drawer. Supposing he has to take out the socks in the dark, how many must he take out to be sure that he has a matching pair ?

- (a) 3
- (b) 20
- (c) 39
- (d) None of these

Q26. The MRP of an article is Rs. 6650. There is a rebate of 6% on it. After getting the rebate, a man pays sales tax at 10%. Find the amount he will have to pay for the goods.

- (a) Rs. 6876.10
- (b) Rs. 6999.20
- (c) Rs. 6654
- (d) Rs. 7000

Q27. Which number will replace the question mark ?

36, 150, 392, 810, 1452, ?

- (a) 1984
- (b) 2112
- (c) 2366
- (d) 2497

Direction for questions (28-30): Read the given information carefully and answer the questions given below:

Seven family members namely Rekha, Tipu, Meena, Mohan, Duggu, Sandy, and Krishna in a family are related to each other in the following way:

Krishna is the uncle of Sandy who is the only son of Mohan. Duggu is the brother of Mohan who is the husband of Meena. Rekha has only two sons. Sandy is the grandson of Tipu. Rekha is wife of Tipu.

Q28. How is Rekha related to Meena?

- (a) Mother-in-law (b) Father-in-law (c) Son-in-law (d) Daughter (e) Can't be determined

Q29. How is Duggu related to Meena?

- (a) Son in law (b) Brother in law (c) Sister in law (d) Mother in law (e) Can't be determined

Q30. If P is the wife of Duggu then how is Tipu related to P?

- (a) Brother (b) Father-in-law (c) Mother-in-law (d) Either option B or C (e) None of these

Q31. If the water image of the clock shows time 6 hours 18 minutes, then what will be the actual time?

- (a) 11 hours 15 minutes (b) 12 hours 12 minutes (c) 11 hours 18 minutes
(d) 11 hours 12 minutes (e) None

Q32. During the past year, Josh saw more movies than Stephen.

Stephen saw fewer movies than Darren.

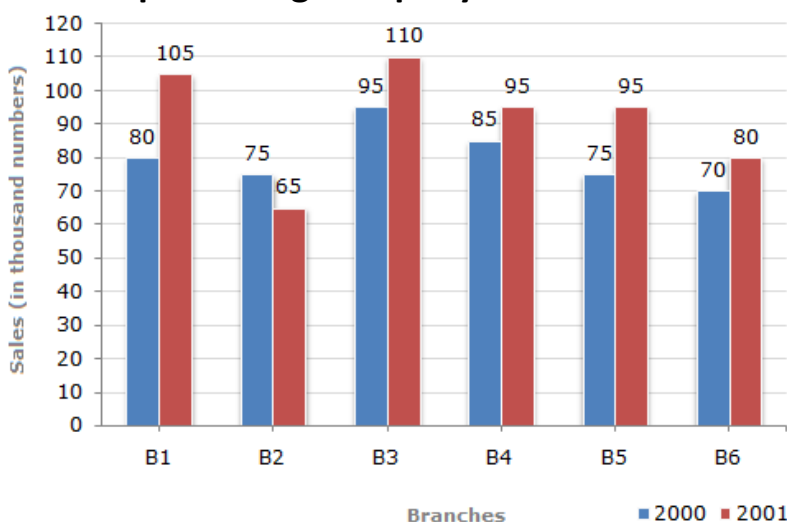
Darren saw more movies than Josh.

If the first two statements are true, the third statement is

- (a) true (b) false (c) uncertain

Directions for questions (33-37): The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001.

Sales of Books (in thousand numbers) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing Company in 2000 and 2001.



Q33. What is the ratio of the total sales of branch B2 for both years to the total sales of branch B4 for both years?

- (a) 2:3 (b) 3:5 (c) 4:5 (d) 7:9

Q34. Total sales of branch B6 for both the years is what percent of the total sales of branches B3 for both the years?

- (a) 68.54% (b) 71.11% (c) 73.17% (d) 75.55%

Q35. What percent of the average sales of branches B1, B2 and B3 in 2001 is the average sales of branches B1, B3 and B6 in 2000?

- (a) 75% (b) 77.5% (c) 82.5% (d) 87.5%

Q36. What is the average sales of all the branches (in thousand numbers) for the year 2000?

- (a) 73 (b) 80 (c) 83 (d) 88

Q37. Total sales of branches B1, B3 and B5 together for both the years (in thousand numbers) is?

- (a) 250 (b) 310 (c) 435 (d) 560

Directions for questions (38-39): Each of these questions is based on the following information:

1. $A + B$ means A is the mother of B.
2. $A - B$ means A is the sister of B.
3. $A * B$ means A is the father of B.
4. $A \beta B$ means A is the brother of B.

Q38. Which of the following means Q is the grandfather of P?

- (a) $P + N * M * Q$ (b) $Q * N * M + P$ (c) $Q \beta M \beta N * P$ (d) None of these

Q39. Which of the following means that N is the maternal uncle of M?

- (a) $N \beta P - L + E - M$ (b) $N - Y + A \beta M$ (c) $M - Y * P - N$ (d) $N \beta C + F * M$

Q40. In a certain code language, 'DKQX' is written as 'WPJC'. How will 'AFKP' be written as in that language?

- (a) ZTOK (b) ZUQI (c) ZUPK (d) ZIPK

Answer key

1	C	9	D	17	B	25	A	33	D
2	D	10	B	18	A	26	A	34	C
3	A	11	A	19	D	27	C	35	d
4	C	12	C	20	C	28	A	36	B
5	A	13	C	21	B	29	B	37	D
6	B	14	B	22	C	30	B	38	D
7	C	15	B	23	A	31	D	39	A
8	D	16	C	24	D	32	C	40	C