

TPC test-9

Q1. Brian has 21 cm long candy, he wants to cut it into smaller candies of each $1\frac{3}{4}$ cm. How many candies will he get out of the whole?

- (a) 10 (b) 11 (c) 12 (d) 13

Q2. Mr John spends 40% of his monthly income on household items and out of the remaining he spends 25% on travelling, 30% on entertainment, 15% on shopping and the remaining amount of Rs. 900 is saved. What is Mr Amar's monthly income?

- (a) Rs. 6,000 (b) Rs. 12,000 (c) Rs. 5,000 (d) Cannot be determined

Q3. A bag contains 50 p, 25 p, and 10 p coins in the ratio 2 : 5 : 3, amounting to Rs. 510. Find the number of coins of 50 paise?

- (a) 1000 (b) 400 (c) 600 (d) None of these

Q4. The average weight of 16 person's increases by 2.5 kg when a new person comes in place of one of them weighing 55 kg. What might be the weight of the new person?

- (a) 76 kg (b) 76.5 kg (c) 95 kg (d) Data inadequate (e) None of these

Q5. The price of rice has increased by 40%. In order to restore the original price, the new price must be reduced by

- (a) 33.33% (b) 37.5% (c) 60% (d) None of these

Q6. A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?

- (a) 12 days (b) 15 days (c) 16 days (d) 18 days

Q7. Three friends A, B, and C started a business, each investing Rs. 10,000. After 5 months A withdrew Rs. 3000, B withdrew Rs. 2000 and C invested Rs. 3000 more. At the end of the year, a total profit of Rs. 34,600 was recorded. Find the share of B?

- (a) 10600 (b) 14100 (c) 9900 (d) None of these

Q8. A sum of money is to be distributed among Aman, Ben, Citra, Den in the proportion of 5 : 2 : 4 : 3. If Citra gets Rs. 1000 more than Den, what is Ben's share?

- (a) Rs. 500 (b) Rs. 1500 (c) Rs. 2000 (d) None of these

Q9. The H.C.F. of two numbers is 23 and the other two factors of their L.C.M. are 11 and 14. The larger of the two numbers is:

- (a) 276 (b) 299 (c) 322 (d) 345

Q10. The sum of ages of 5 children born at the intervals of 3 years each is 100 years. What is the age of the youngest child?

- (a) 4 years (b) 8 years (c) 10 years (d) None of these

Q11. Two students Adam and Ben appeared at an examination. Adam secured 9 marks more than Ben and his marks was 56% of the sum of their marks. The marks obtained by them are:

- (a) 39, 30 (b) 41, 32 (c) 42, 33 (d) 43, 34

Q12. A fruit seller had some apples. He sells $14\frac{2}{7}\%$ apples and still has 420 apples. Originally, he had:

- (a) 588 apples (b) 600 apple (c) 672 apples (d) 490 apples

Q13. A vendor bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 20%?

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

Q14. The captain of a cricket team of 11 members is 26 years old and the wicket keeper is 3 years older. If the ages of these two are excluded, the average age of the remaining players is two years less than the average age of the whole team. What is the average age of the team?

- (a) 23 years (b) 24 years (c) 25 years (d) None of these

Q15. The greatest possible length which can be used to measure exactly the lengths 7 m, 3 m 85 cm, and 12 m 95 cm is:

- (a) 15 cm (b) 25 cm (c) 35 cm (d) 42 cm

Q16. Adam alone can do a piece of work in 6 days and Ben alone in 8 days. Both undertook to do it for Rs. 6400. With the help of Citra, they completed the work in 3 days. How much is to be paid to C?

- (a) Rs. 375 (b) Rs. 800 (c) Rs. 600 (d) Rs. 800

Q17. In a test consisting of 120 questions carrying two mark each, Ankita answers 60% of the first 60 questions correctly. What percent of the other 60 questions does she need to answer correctly to score 80% on the entire test?

- (a) 60 (b) 80 (c) 95 (d) None of these

Q18. Three numbers which are co-prime to each other are such that the product of the first two is 551 and that of the last two is 1073. The sum of the three numbers is:

- (a) 75 (b) 81 (c) 85 (d) 89

Q19. A is two years older than B who is twice as old as C. If the total of the ages of A, B and C be 81, then how old is B?

- (a) 7 (b) 8 (c) 9 (d) 30 (e) 11

Q20. The cost price of 20 articles is the same as the selling price of x articles. If the loss is 20%, then the value of x is:

- (a) 15 (b) 16 (c) 18 (d) 25

Q21. If a person walks at 24 km/hr instead of 20 km/hr, he would have walked 20 km more. The actual distance travelled by him is:

- (a) 50 km (b) 56 km (c) 70 km (d) None of these

Q22. Excluding stoppages, the speed of a train is 108 kmph and including stoppages, it is 90 kmph. For how many minutes does the bus stop per hour?

- (a) 9 (b) 10 (c) 12 (d) 20

Q23. Arrange the words given below in a meaningful sequence.

1. Key	2. Door	3. Lock
4. Room	5. Switch on	

- (a) 5, 1, 2, 4, 3 (b) 4, 2, 1, 5, 3 (c) 1, 3, 2, 4, 5 (d) 1, 2, 3, 5, 4

Q24. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

- (a) Brother (b) Nephew (c) Uncle (d) Son-in-law

Q25. Statements: Some papers are pens. All the pencils are pens.

Conclusions:

1. Some pens are pencils.
2. Some pens are papers.

- (a) Only (1) conclusion follows (b) Only (2) conclusion follows (c) Either (1) or (2) follows
(d) Neither (1) nor (2) follows (e) Both (1) and (2) follow

Q26. Statements: No watch is cycle.

No cycle is Motorbike.

Some auto are motorbike

Conclusion:

I. No Motorbike is watch

II. No motor bike is cycle

III. Some cycles are watches

IV. All Motorbikes are watches

- (a) None follows (b) Only I follows (c) Only I and III follow (d) None of these

Q27. If A + B means A is the brother of B; A - B means A is the sister of B and A x B means A is the father of B. Which of the following means that C is the son of M?

- (a) M - N x C + F (b) F - C + N x M (c) N + M - F x C (d) M x N - C + F

Q28. Find the missing term in the series ; 120, 99, 80, 63, 48, ?

- (a) 35 (b) 38 (c) 39 (d) 40

Q29. Find the missing term ; 3, 10, 101, ?

- (a) 10101 (b) 10201 (c) 10202 (d) 11012

Q30. Flow : River :: Stagnant : ?

- (a) Rain (b) Stream (c) Pool (d) Canal

Q31. One morning Udai and Vishal were talking to each other face to face at a crossing. If Vishal's shadow was exactly to the left of Udai, which direction was Udai facing?

- (a) East (b) West (c) North (d) South

Q32. Starting from the point X, Jayant walked 15 m towards west. He turned left and walked 20 m. He then turned left and walked 15 m. After this he turned to his right and walked 12 m. How far and in which directions is now Jayant from X?

- (a) 32 m, South (b) 47 m, East (c) 42 m, North (d) 27 m, South

Q33. Two bus tickets from city A to B and three tickets from city A to C cost Rs. 77 but three tickets from city A to B and two tickets from city A to C cost Rs. 73. What are the fares for cities B and C from A ?

- (a) Rs. 4, Rs. 23 (b) Rs. 13, Rs. 17 (c) Rs. 15, Rs. 14 (d) Rs. 17, Rs. 13

Q34. Which one will replace the question mark ?

A ₂	C ₄	E ₆
G ₃	I ₅	?
M ₅	O ₉	Q ₁₄

- (a) L₁₀ (b) K₁₅ (c) I₁₅ (d) K₈

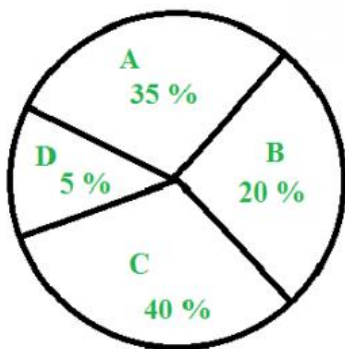
Q35. Choose the alternative which is closely resembles the water-image of the given combination.

GR98AP76ES

- (1) GR98AP76ES (2) GR98AP76ES
(3) GR98AP76ES (4) GR98AP76ES

- (a) 1 (b) 2 (c) 3 (d) 4

(Direction for questions 36-38): Study the pie chart below and answer the questions that follow :



The above pie chart shows the sales of four different types of articles in a shop.

Q36. What is the central angle of type A ?

- (a) 126° (b) 90° (c) 120° (d) None of these

Q37. If the total sale is 1200, what is the sale of B?

- (a) 250 (b) 240 (c) 480 (d) None of these

Q38. What is the difference between the central angle of C and D?

- (a) 18° (b) 90° (c) 126° (d) None of these

Q39. If the number of articles A exceeds the number of articles D by 24000. the find the total number of articles?

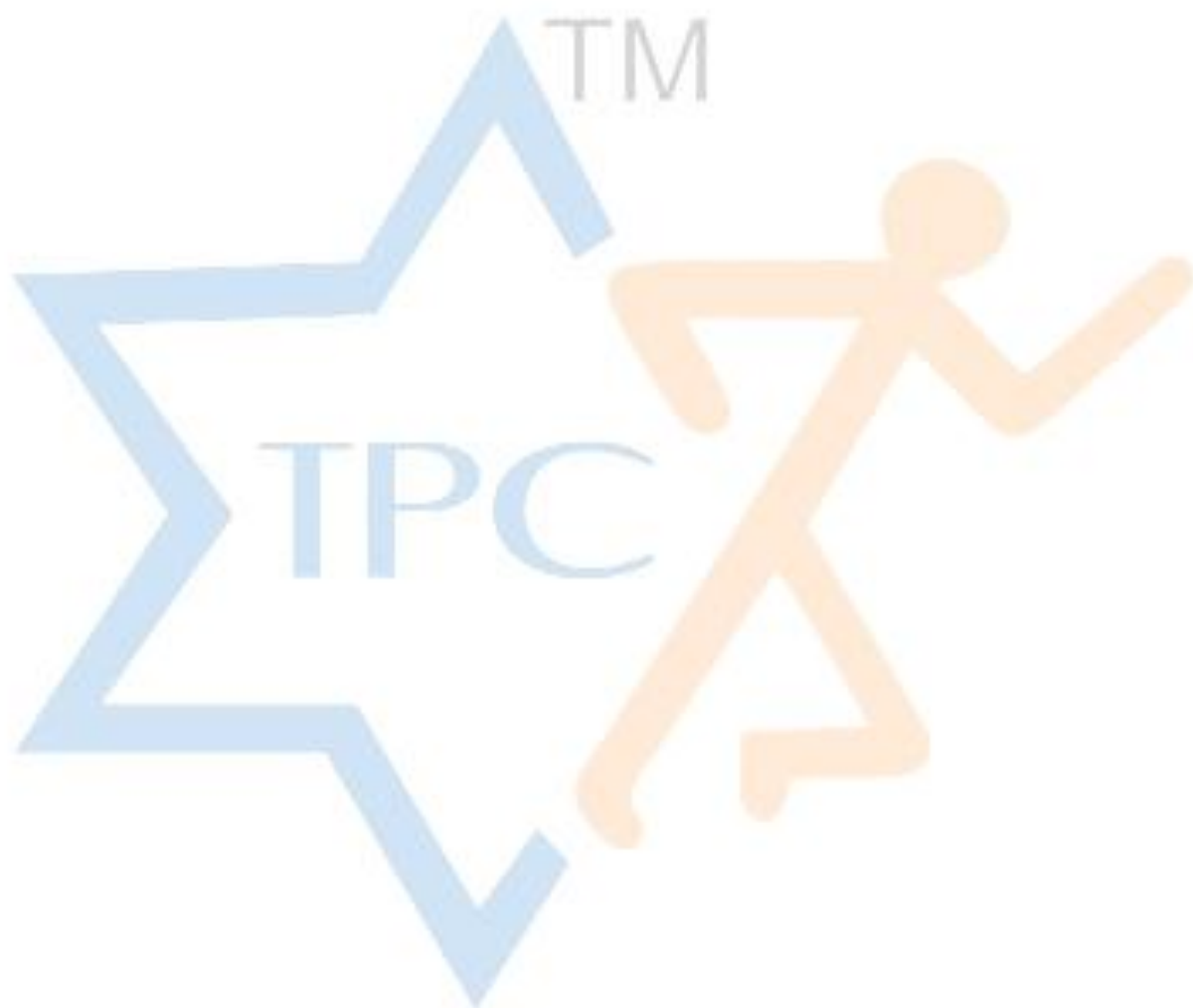
- (a) 8000 (b) 6000 (c) 10000 (d) 12000

Q40. If the sum of the number of articles of A and B is 10500. Find the number of articles of C?

- (a) 10000 (b) 12000 (c) 15000 (d) 20000

Answer key

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



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