

Accenture mock-4

Q1. A man can row 6 kmph in still water. When the river is running at 1.2 kmph, it takes him 1 hour to row to a place and back. What is the total distance traveled by the man?

- A. 6.24 km B. 6 km C. 5.76 km D. 5.66 km

Q2. The smallest number which when divided by 20, 25, 35 and 40 leaves a remainder of 14, 19, 29 and 34 respectively is?

- A. 1994 B. 1494 C. 1349 D. 1496

Q3. A and B can do a piece of work in 12 days and 16 days respectively. Both work for 3 days and then A goes away. Find how long will B take to complete the remaining work?

- A. 15 days B. 12 days C. 10 days D. 9 days

Q4. A boat goes 100 km downstream in 10 hours, and 75 m upstream in 15 hours. The speed of the stream is?

- A. 7 km/h B. 5 km/h C. 3 km/h D. 2 (1/2) km/h

Q5. The least number of five digits that have 144 their HCF is?

- A. 10085 B. 10080 C. 10075 D. 10070

Q6. If x is the interest on y and y is the interest on z, the rate and time is the same on both the cases. What is the relation between x, y and z?

- A. $xyz = 1$ B. $x^2 = yz$ C. $y^2 = xz$ D. $z^2 = xy$

Q7. A and B entered into a partnership investing Rs.25000 and Rs.30000 respectively. After 4 months C also joined the business with an investment of Rs.35000. What is the share of C in an annual profit of Rs.47000?

- A. Rs.18000 B. Rs.15000 C. Rs.17000 D. Rs.14000

Q8. Walking 7/6 of his usual rate, a boy reaches his school 4 min early. Find his usual time to reach the school?

- A. 25 min B. 26 min C. 27 min D. 28 min

Q9. A building contractor employs 20 male, 15 female and 5 child workers. To a male worker he pays Rs.25 per day, to a female worker Rs.20 per day and a child worker Rs.8 per day. The average wage per day paid by the contractor is?

- A. Rs.20 B. Rs.21 C. Rs.22 D. Rs.23

Q10. A person can swim in still water at 4 km/h. If the speed of water 2 km/h, how many hours will the man take to swim back against the current for 6km?

- A. 3 B. 4 C. $4\frac{1}{2}$ D. Insufficient data

Q11. If Re.1 amounts to Rs.9 over a period of 20 years. What is the rate of simple interest?

- A. $26\frac{2}{3}\%$ B. 30 % C. $27\frac{1}{2}\%$ D. 40 %

Q12. A and B can do a piece of work in $6\frac{2}{3}$ days and 5 days respectively. They work together for 2 days and then A leaves. In how many days after that B will complete the work alone.

- A. 2 days B. $1\frac{1}{2}$ days C. 3 days D. $3\frac{1}{2}$ days

Q13. A heap of coconuts is divided into groups of 2, 3 and 5 and each time one coconut is left over. The least number of Coconuts in the heap is?

- A. 31 B. 41 C. 51 D. 61

Q14. A, B, C together started a business. A invested Rs.6000 for 5 months B invested Rs.3600 for 6 months and C Rs.7500 for 3 months. If they get a total profit of Rs.7410. Find the share of A?

- A. Rs.3750 B. Rs.3000 C. Rs.3200 D. Rs.2160

Q15. The greatest number of four digits that have 144 for their HCF is?

- A. 9930 B. 9903 C. 9935 D. 9936

Q16. Which one of the following is the least number of four digits divisible by 71?

- A. 1006 B. 1065 C. 1094 D. 1056

Q17. How many numbers up to 500 are divisible by 23?

- A. 23 B. 27 C. 21 D. 19

Q18. Two pipes A and B can separately fill a tank in 12 and 15 minutes respectively. A third pipe C can drain off 45 liters of water per minute. If all the pipes are opened, the tank can be filled in 15 minutes. What is the capacity of the tank?

- A. 480 liters B. 540 liters C. 600 liters D. 675 liters

Q19. The duplicate ratio of 3:4 is?

- A. 4:3 B. 6:8 C. 9:16 D. 3:4

Q20. A can do a piece of work in 40 days; B can do the same in 30 days. A started alone but left the work after 10 days, then B worked at it for 10 days. C finished the remaining work in 10 days. C alone can do the whole work in?

- A. 24 days B. 30 days C. 44 days D. 17.5 days

Q21. The average of 1st 3 of 4 numbers is 16 and of the last 3 are 15. If the sum of the first and the last number is 13. What is the last numbers?

- A. 8 B. 6 C. 5 D. 2

Q22. A, B, C and D enter into partnership. A subscribes $\frac{1}{3}$ of the capital B $\frac{1}{4}$, C $\frac{1}{5}$ and D the rest. How much share did A get in a profit of Rs.2460?

- A. Rs.480 B. Rs.615 C. Rs.820 D. Rs.740

Q23. The average of first ten prime numbers which are odd is?

- A. 12.9 B. 13.8 C. 17 D. 15.8

Q24. A man can row 6 kmph in still water. When the river is running at 1.2 kmph, it takes him 1 hour to row to a place and back. How far is the place?

- A. 3.12 km B. 2.88 km C. 3 km D. 2 km

Q25. The ratio of the area of a square to that of the square drawn on its diagonal is?

- A. 2:5 B. 3:4 C. 3:5 D. 1:2

Q26. Find out the C.I on Rs.5000 at 4% p.a. compound half-yearly for $1\frac{1}{2}$ years.

- A. Rs.420.20 B. Rs.319.06 C. Rs.306.04 D. Rs.294.75

Q27. What is the area of an equilateral triangle of side 16 cm?

- A. $48\sqrt{3}$ cm² B. $128\sqrt{3}$ cm² C. $9.6\sqrt{3}$ cm² D. $64\sqrt{3}$ cm² E. None of these

Q28. The sum of the two digits of a number is 10. If the number is subtracted from the number obtained by reversing its digits, the result is 54. Find the number?

- A. 34 B. 28 C. 12 D. 17

Q29. A person can swim in still water at 4 km/h. If the speed of water 2 km/h, how many hours will the man take to swim back against the current for 6km?

- A. 3 B. 4 C. 4.5 D. Insufficient data

Q30. Find the C.I. on a sum of Rs.1600 for 9 months at 20% per annum, interest being compounded quarterly?

- A. Rs.17684 B. Rs.1684 C. Rs.2522 D. Rs.3408

Q31. A, B, C together started a business. A invested Rs.6000 for 5 months B invested Rs.3600 for 6 months and C Rs.7500 for 3 months. If they get a total profit of Rs.7410. Find the share of A?

- A. Rs.3750 B. Rs.3000 C. Rs.3200 D. Rs.2160

Q32. If $6(A's \text{ capital}) = 8(B's \text{ capital}) = 10(C's \text{ capital})$. Then the ratio of their capitals is:

- A. 3:4:5 B. 12:15:20 C. 20:15:12 D. 6:8:10

Q33. Simple interest on a sum at 4% per annum for 2 years is Rs.80. The C.I. on the same sum for the same period is?

- A. Rs.81.60 B. Rs.160 C. Rs.1081.60 D. Rs.99

Q34. The average age of three boys is 15 years and their ages are in proportion 3:5:7. What is the age in years of the youngest boy?

- A. 15 B. 9 C. 18 D. 21

Q35. A and B entered into a partnership investing Rs.25000 and Rs.30000 respectively. After 4 months C also joined the business with an investment of Rs.35000. What is the share of C in an annual profit of Rs.47000?

- A. Rs.18000 B. Rs.15000 C. Rs.17000 D. Rs.14000

Q36. A man can row his boat with the stream at 6 km/h and against the stream in 4 km/h. The man's rate is?

- A. 1 kmph B. 5 kmph C. 8 kmph D. 3 kmph

Q37. The average of 9 observations was 9, that of the 1st of 5 being 10 and that of the last 5 being 8. What was the 5th observation?

- A. 9 B. 8 C. 7 D. 6

Q38. The ratio of the present ages of P and Q is 3:4. 5 years ago, the ratio of their ages was 5:7. Find the their present ages?

- A. 30, 40 B. 25, 30 C. 50, 60 D. 20, 40

Q39. The ratio of the length and the breadth of a rectangle is 4 : 3 and the area of the rectangle is 6912 sq cm. Find the ratio of the breadth and the area of the rectangle?

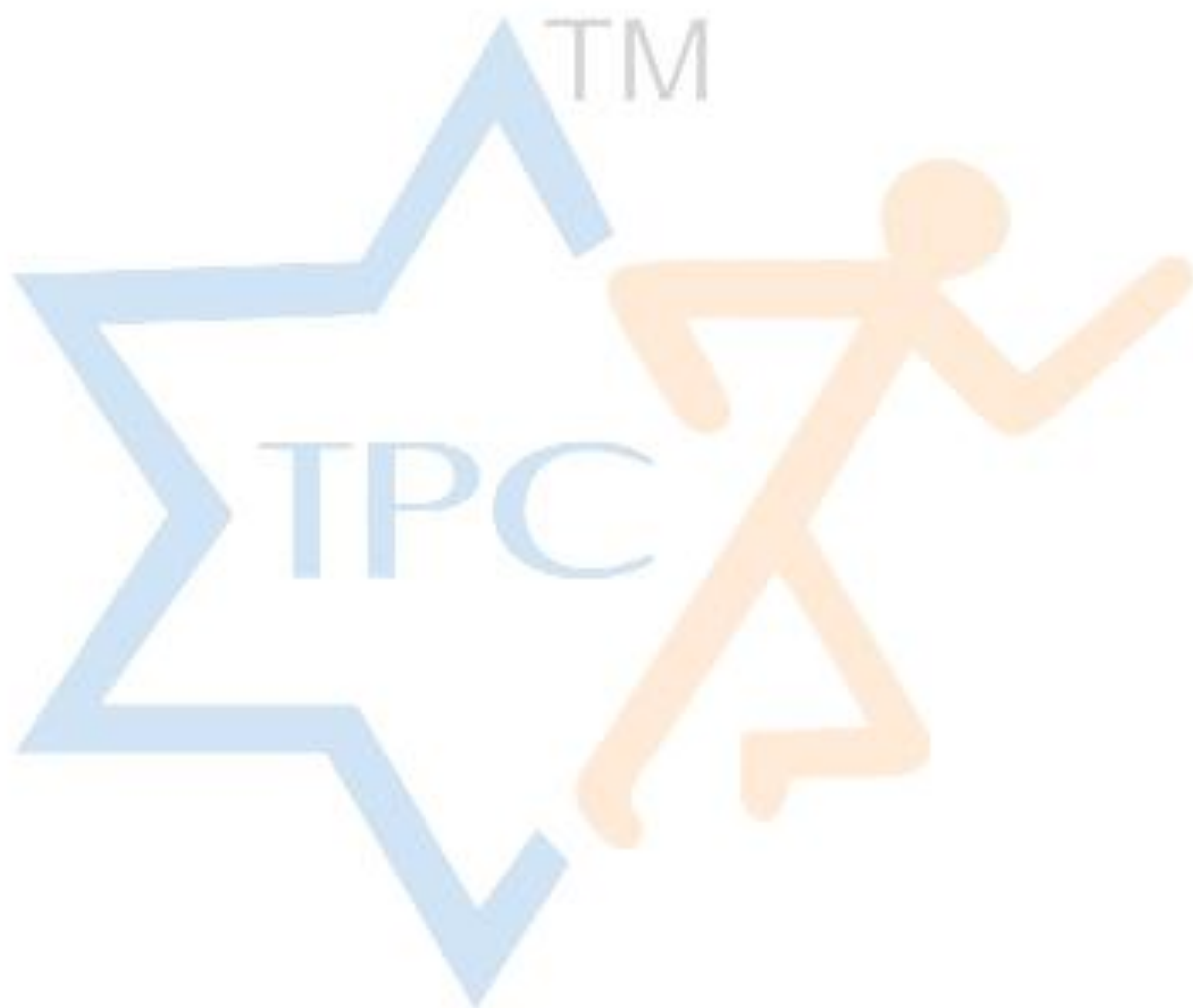
- A. 1 : 96 B. 1 : 48 C. 1 : 84 D. 1 : 68 E. None of these

Q40. The area of a triangle will be when $a = 1\text{m}$, $b = 2\text{m}$, $c = 3\text{m}$, a, b, c being lengths of respective sides.

- A. 0 sq m B. 3 sq m C. 2 sq m D. 6 sq m

Answer key

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



www.tpcglobal.in