# Flashcards

## l5

**Q1. Find the average of the first 40 natural numbers.**

A1. 20.5.

**Q2. What is the next number in the sequence: 1, 5, 14, 30, ?, 91?**

A2. 55.

**Q3. In a village, at least 67% of houses lack tubelights, 83% lack bulbs, and 73% lack fans. Exactly 19% lack only one of these. What percentage of houses lack all three?**

A3. 42%.

**Q4. If 9 engines consume 24 metric tonnes of coal working 8 hours a day, and 3 engines of the former type consume as much as 4 engines of a latter type, how much coal will 8 engines of the latter type consume working 13 hours a day?**

A4. 26 metric tonnes.

**Q5. 15 liters of water with 20% alcohol has 5 liters of pure water added. What is the new alcohol percentage?**

A5. 15%.

**Q6. A housewife saved Rs. 2.50 on a Rs. 25 item. What is the approximate percentage saved?**

A6. 10%.

**Q7. The correct grammar for "I have trouble..." is?**

A7. remembering my password.

**Q8. Liza runs 1 mile per second and Tamar runs 2 miles per second in opposite directions. How far apart are they after 1 hour?**

A8. 10800 miles.

**Q9. If A = 5, B = 0, C = 2, D = 10, E = 2, what is AB + EE – (ED)^B + (AC)^E?**

A9. 103.

**Q10. A man rows upstream at 8 kmph and downstream at 13 kmph. What is the speed of the stream?**

A10. 2.5 kmph.

**Q11. What is the next letter in the sequence: O, T, T, F, F, S, S, E, N, \_ ?**

A11. T.

**Q12. Three societies, A, B, and C, exchange items such that each ends with 24. A had 39, B had 21, and C had 12. What did A originally have?**

A12. 39 cars.

**Q13. A tree grows 20% taller each year. If it's 540 cm tall now after 2 years, what was its initial height?**

A13. 375 cm.

**Q14. A boy starts with Rs 2, winning or losing Re 1 at a time. He quits after 5 losses or earning Rs 5. How many ways can this happen?**

A14. 16.

**Q15. Five racing drivers compete in six races. Bob always finishes ahead of Chris; Alan and Eugene always finish first or last. If Frank enters the third race and finishes behind Chris and Don, which must be true?**

A15. Frank finishes fifth.

**Q16. A is twice as good a workman as B, and together they finish a job in 18 days. How long would it take A alone?**

A16. 27 days.

**Q17. Daal costs Rs. 20/kg now, up from Rs. 16/kg last month. By what percentage should consumption be reduced to maintain the same expenditure?**

A17. 20%.

**Q18. The sum of 5 consecutive odd numbers is 1075. What is the largest number?**

A18. 219.

**Q19. A man sells two buffaloes for Rs. 7820 each. He gains 15% on one and loses 15% on the other. What is his overall gain or loss?**

A19. 2.25% loss.

**Q20. A ship travels 28 km downstream and 13 km upstream in 5 hours each. What is the stream's velocity?**

A20. This question cannot be answered with the given information. More information is needed to solve for the velocity of the stream.