

OLYMPIAD · MENTAL ABILITY · OLYMPIAD PREPARATION · DPP SHEET

Chapter 3: Coding and Decoding

Daily practice problems: 10 questions with an answer key

Try every question on your own first. The answer key is on the last page.

1. In a code, HOME is written as IPNF. How is SAFE written in the same code?
2. In a code, every letter moves forward by 2 places. How is BELT written?
3. Write DOG in the reverse alphabet (A = Z, B = Y, ...).
4. If every letter is replaced by its position number, how is FACE written as one string of digits?
5. Find the sum of the positions of the letters of DAY.
6. In a code, GATE is written as FZSD. How is MILK written?
7. In a code, "red apple" is "ka mo", "red rose" is "ka ti" and "sweet apple" is "na mo". How is "sweet rose" written?
8. If the code of CAT is 24 (the sum of its positions), what is the code of DOG?
9. Write ZEBRA in the reverse alphabet.
10. In a code every letter has moved forward by 3 places. Decode KHOOR.

Answer Key

1. TBGF (every letter moves forward by one).
2. DGNV (B to D, E to G, L to N, T to V).
3. WLT.
4. 6135 (F = 6, A = 1, C = 3, E = 5).
5. 30 ($4 + 1 + 25$).
6. LHKJ (every letter moves back by one).
7. na ti (sweet = na, rose = ti).
8. 26 ($4 + 15 + 7$).
9. AVYIZ.
10. HELLO.

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