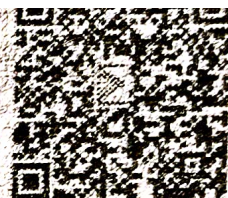


45. Check whether 6^n can end with the digit 0 for any natural number n .

[NCERT, KVS]



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46. Prove that $\sqrt{5}$ is an irrational.

[CBSE 2023]



(d) None of these

8. The 10th term of the AP: 5, 8, 11, 14, ... is

[NCERT Exemplar]

(a) 32 (b) 35 (c) 38 (d) 185

9. The common difference of AP : 4, 10, 16, 22, ... is

(a) 3 (b) 5 (c) 8 (d) 6

10. If n th term of AP is given by $a_n = 3n - 2$ then common difference is equal to

(a) 3 (b) 5 (c) -3 (d) 8

11. If 7 times the 7th term of an AP is equal to 11 times its 11th term, then its 18th term will be

[NCERT Exemplar]

(a) 7 (b) 11 (c) 18 (d) 0

12. The 4th term from the end of the AP: -11, -8, -5, ..., 49 is

[NCERT Exemplar]

(a) 37 (b) 40 (c) 43 (d) 58

13. The famous mathematician associated with finding the sum of the first 100 natural numbers is

[NCERT Exemplar]

(a) Pythagoras (b) Newton

(c) Gauss (d) Euclid