ARITHMETIC PROGRESSIONS

$a_n = a+(n-1)d$

10 MCQs for Class 10

1 Which of the following is an Arithmetic Progression?

- A 2, 4, 8, 16, ...
- B 1, 3, 5, 7, ...
- C 1, 4, 9, 16, ...
- D 2, 6, 18, 54, ...

2 The common difference of the AP 7, 11, 15, 19, ... is:

- A 2
- B 3
- C 4
- D 5

3 The 10th term of the AP 3, 7, 11, 15, ... is:

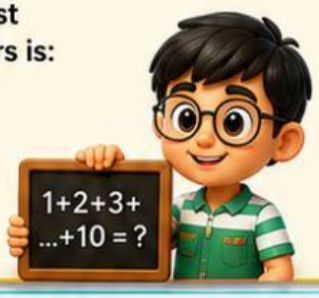
- A 35
- B 37
- C 39
- D 41

4 Which term of the AP 5, 9, 13, 17, ... is 45?

- A 10th
- B 11th
- C 12th
- D 13th

5 The sum of the first 10 natural numbers is:

- A 45
- B 50
- C 55
- D 60



6 The sum of the first 20 terms of the AP 2, 4, 6, 8, ... is:

- A 400
- B 420
- C 440
- D 460



7 The 15th term of the AP 8, 6, 4, 2, ... is:

- A −18
- B −20
- C −22
- D −24

8 If the first term of an AP is 12 and the common difference is −3, then the 8th term is:

- A −6
- B −9
- C −12
- D −15

9 The sum of the first 15 terms of the AP 1, 3, 5, 7, ... is:

- A 210
- B 215
- C 225
- D 235

10 The middle term of the AP 11, 15, 19, 23, 27, 31, 35 is:

- A 19
- B 23
- C 27
- D 31