



Chapter 5: Arithmetic progression

Mathematics Worksheet

Standard: 10th

Subject: Mathematics

Student Name: _____

Q1. If the first term of an A.P. is a and n th term is b , then its common difference is:

1. $\frac{b-a}{n-1}$
2. $\frac{b-a}{n}$
3. $\frac{b-a}{n+1}$
4. $\frac{b+a}{n-1}$

Q2. The 8th term of an AP is 17 and its 14th term is 29. The common difference of the AP is:

1. 3
2. 2
3. 5
4. -2

Q3. Choose the correct answer from the given four options:

If the 2nd term of an AP is 13 and the 5th term is 25, what is its 7th term?

1. 30
2. 33
3. 37
4. 38

Q4. The first term of an A.P. if its $S_n = n^2 + 2n$ is:

1. 3
2. 0
3. 1
4. 2

Q5. The sum of the first 20 terms of the A.P. 10, 6, 2, ... is:

1. -480
2. -500



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