

TOPIC: ARITHMETIC PROGRESSION

WORKSHEET

CLASS : X

WHICH OF THE FOLLOWING ARE ARITHMETIC PROGRESSIONS:

- 1) Street lights placed every 50 meters along a road:

Positions: 0m, 50m, 100m, 150m... ..

- 2) Workout Routines: Adding 5 kg every week in training

Week 1: 50 kg, Week 2: 55 kg, Week 3: 60 kg... ..

- 3) If a bus arrives every 15 minutes, the arrival times follow an AP.

Time: 8:00, 8:15, 8:30, 8:45.. ..

- 4) Steps Taken Daily (Irregular Exercise) Suppose someone takes different steps each day based on mood or schedule.

Day 1: 2,000 steps , Day 2: 4,500 steps , Day 3: 3,100 steps , Day 4: 7,000 steps

MATCH CORRECTLY THOSE AP'S HAVING THE SAME COMMON DIFFERENCE

10, 20, 30, 40.....

50, 53, 56, 59, 62.....

2, 7, 12, 17, 22...

0, -4, -8, -12, -16

-6, -3, 0, 3, 6.....

-3, 2, 7, 12, 17.....

20, 16, 12, 8, 4.....

570, 580, 590, 600.....

