

Board – Foundation	Class – 9 th	Topic – Arithmetic Progression
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1. What is the common difference (d) of the arithmetic progression: 7, 11, 15, 19, ...?
(a) 2 (b) 3
(c) 4 (d) 5
2. If the first term (a) of an AP is 10 and the common difference (d) is 10, what are the first four terms?
(a) 10, 30, 50, 60 (b) 10, 20, 30, 40
(c) 10, 15, 20, 25 (d) 10, 18, 20, 30
3. In an AP, if $a = 28$, $d = -4$, $n = 7$, what is the 7th term?
(a) 4 (b) 5
(c) 3 (d) 7
4. Which of the following sequences is an arithmetic progression?
(a) 2, 4, 8, 16 (b) 3, 6, 9, 12
(c) 5, 10, 20, 40 (d) 1, 2, 4, 7
5. What is the n th term of the AP: 9, 13, 17, 21, ...?
(a) $9n + 4$ (b) $4n + 9$
(c) $4n + 5$ (d) $5n + 4$
6. The sum of the first 6 terms of an AP with $a = -5$ and $d = 2$ is:
(a) 0 (b) 5
(c) 6 (d) 15
7. If the common difference of an AP is 5, what is $a_{18} - a_{13}$?
(a) 5 (b) 20
(c) 25 (d) 30

