

Arithmetic Progressions : Worksheet -4

1. Write first four terms of the AP, when the first term a and the common difference d are given as follows:

(i) $a = 10, d = 10$

(ii) $a = -2, d = 0$

(iii) $a = 4, d = -3$

(iv) $a = -1.25, d = -0.25$

2. For the following APs, write the first term and the common difference:

(i) $3, 1, -1, -3, \dots$

(ii) $-5, -1, 3, 7, \dots$

(iii) $0.6, 1.7, 2.8, 3.9, \dots$



3. Which of the following are APs? If they form an AP, find the common difference d and write three more terms.

(i) $2, 4, 8, 16, \dots$

(ii) $-1.2, -3.2, -5.2, -7.2, \dots$

(iii) $-10, -6, -2, 2, \dots$

(iv) $0.2, 0.22, 0.222, 0.2222, \dots$

(v) $0, -4, -8, -12, \dots$

(vi) $1, 3, 9, 27, \dots$



(vii) $a, 2a, 3a, 4a, \dots$

(viii) a, a^2, a^3, a^4, \dots

(ix) $2, 8, 18, 32, \dots$

(x) $3, 6, 9, 12, \dots$

