

Ques 1. In an A.P. (with usual notations).

(i) $a = 8$, $a_n = 62$, $S_n = 210$, find n and d .

(ii) $a = 3$, $n = 8$, $S = 192$, find d .

Ques 2. The first and the last terms of an A.P. are 17 and 350 respectively. If the common difference is 9, how many terms are there and what is their sum?

Ques 3. Find the sum of first 22 terms of an A.P. in which $d = 7$ and a_{22} is 149.

Ques 4. In an A.P. the fourth and sixth terms are 8 and 14 respectively. Find the :
(i) first term (ii) Common difference
(iii) sum of the first 20 terms.

Ques 5. The 4th term of an A.P. is 22 and 15th term is 66. Find the first term and the common difference. Hence, find the sum of first 8 terms of the AP.