

Q. 1108 1117 1142 1191 ? 1481

Solution:

This is a sequence. The n th term of a sequence is a sum $(n - 1)$ th term and square of the n th term of a sequence of prime numbers.

$$a_1 = 1108$$

$$a_2 = 1108 + 3^2 = 1117$$

$$a_3 = 1117 + 5^2 = 1142$$

$$a_4 = 1142 + 7^2 = 1191$$

$$a_5 = 1191 + 11^2 = 1312$$

$$a_6 = 1312 + 13^2 = 1481$$

Answer: 1312