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2015 3 The first three terms of an arithmetic series are 3, 7 and 11.

1

What is the 15th term of this series?

(A) 59

(B) 63

(C) 465

(D) 495

A

3, 7, 11, ...

$a = 3, d = 4, n = 15$:

$$T_n = a + (n - 1)d$$

$$T_{15} = 3 + (15 - 1) \times 4$$

$$= 59$$

\therefore the 15th term is 59.

State Mean:

0.96

* These solutions have been provided by [projectmaths](#) and are not supplied or endorsed by BOSTES.