

Name : \_\_\_\_\_

## Evaluate the Arithmetic Series

T1S1

Evaluate each arithmetic series.

1)  $6 + 14 + 22 + \dots$  upto 15 terms

2)  $\sqrt{2} + \sqrt{8} + \sqrt{18} + \dots$  upto 13 terms

3)  $\frac{7}{2} + \frac{13}{4} + 3 + \dots$  upto 10 terms

4)  $-40 - 33 - 26 - \dots$  upto 31 terms

5)  $-3.8 - 1.2 + 1.4 + \dots$  upto 18 terms

6)  $-\frac{5}{9} - \frac{11}{18} - \frac{2}{3} - \dots$  upto 17 terms

7)  $-21 - 26 - 31 - \dots$  upto 25 terms

8)  $74 + 63 + 52 + \dots$  upto 19 terms

Name : \_\_\_\_\_

## Answer key

### Evaluate the Arithmetic Series

T1S1

Evaluate each arithmetic series.

1)  $6 + 14 + 22 + \dots$  upto 15 terms

**930**

2)  $\sqrt{2} + \sqrt{8} + \sqrt{18} + \dots$  upto 13 terms

**$91\sqrt{2}$**

3)  $\frac{7}{2} + \frac{13}{4} + 3 + \dots$  upto 10 terms

**$\frac{95}{4}$  or  $23\frac{3}{4}$**

4)  $-40 - 33 - 26 - \dots$  upto 31 terms

**2015**

5)  $-3.8 - 1.2 + 1.4 + \dots$  upto 18 terms

**329.4**

6)  $-\frac{5}{9} - \frac{11}{18} - \frac{2}{3} - \dots$  upto 17 terms

**-17**

7)  $-21 - 26 - 31 - \dots$  upto 25 terms

**-2025**

8)  $74 + 63 + 52 + \dots$  upto 19 terms

**-475**