Solutions – Arithmetic Series (A)

An arithmetic sequence starts with 5 and has common difference 7. The last term is 82. Find the sum of the sequence.

522

The nth term of a sequence is $2n + 3$. Find the sum of the first 16 terms.

320

Find the sum of the first 12 terms of the sequence 7, 15, 23, 31, ...

612

Solutions – Arithmetic Series (B)

Find the sum of the first 6 terms of the sequence 4, 9, 14, 19, ...

99

An arithmetic sequence starts with 8 and has common difference 6. The last term is 92. Find the sum of the sequence.

750

The nth term of a sequence is $5n + 4$. Find the sum of the first 22 terms.

1353

Solutions – Arithmetic Series (C)

The nth term of a sequence is $4n + 8$. Find the sum of the first 10 terms.

300

Find the sum of the first 6 terms of the sequence 4, 6, 8, 10, ...

54

An arithmetic sequence starts with 7 and has common difference 6. The last term is 109. Find the sum of the sequence.

1044

Solutions – Arithmetic Series (D)

An arithmetic sequence starts with 7 and has common difference 8. The last term is 87. Find the sum of the sequence.

517

Find the sum of the first 8 terms of the sequence 10, 17, 24, 31, ...

276

The nth term of a sequence is $4n + 5$. Find the sum of the first 22 terms.

1122

Solutions – Arithmetic Series (E)

The *n*th term of a sequence is $4n + 7$. Find the sum of the first 16 terms.

656

Find the sum of the first 12 terms of the sequence 8, 14, 20, 26, ...

492

An arithmetic sequence starts with 10 and has common difference 5. The last term is 55. Find the sum of the sequence.

325

Solutions – Arithmetic Series (F)

The nth term of a sequence is $3n + 1$. Find the sum of the first 22 terms.

781

Find the sum of the first 8 terms of the sequence 2, 10, 18, 26, ...

240

An arithmetic sequence starts with 6 and has common difference 2. The last term is 26. Find the sum of the sequence.

176

Solutions – Arithmetic Series (G)

An arithmetic sequence starts with 8 and has common difference 8. The last term is 96. Find the sum of the sequence.

624

The nth term of a sequence is $4n + 6$. Find the sum of the first 20 terms.

960

Find the sum of the first 11 terms of the sequence 3, 11, 19, 27, ...

473

Solutions – Arithmetic Series (H)

An arithmetic sequence starts with 10 and has common difference 8. The last term is 114. Find the sum of the sequence.

868

The nth term of a sequence is $5n + 8$. Find the sum of the first 24 terms.

1692

Find the sum of the first 10 terms of the sequence 5, 7, 9, 11, ...

140

Solutions – Arithmetic Series (I)

An arithmetic sequence starts with 10 and has common difference 5. The last term is 65. Find the sum of the sequence.

450

Find the sum of the first 11 terms of the sequence 10, 12, 14, 16, ...

220

The nth term of a sequence is $3n + 6$. Find the sum of the first 24 terms.

1044

Solutions – Arithmetic Series (J)

The nth term of a sequence is $2n + 7$. Find the sum of the first 13 terms.

273

Find the sum of the first 10 terms of the sequence 3, 6, 9, 12, ...

165

An arithmetic sequence starts with 6 and has common difference 8. The last term is 78. Find the sum of the sequence.

420