

A

Answer

2550

An arithmetic sequence has first term
10 and common difference 5

Find the number of terms of the
sequence which are less than 1000

B

Answer

-137

Find k , given that the following
sequence is arithmetic:

$$2k + 2, \quad 4k - 2, \quad 5k - 3$$

C

Answer

325

For the following arithmetic sequence
find u_n :

$$u_5 = 37 \text{ and } u_9 = 57.$$

D

Answer

-837

How many terms are there in the following arithmetic sequence?

$8, 6, 4, \dots, -60$

E

Answer

$$5n + 12$$

Find the sum of the following sequence:

$$6 + 10 + 14 + \cdots (40 \text{ terms}).$$

F

Answer

35

Find the sum of the following
sequence:

$$12 + 8 + 4 + \dots (20 \text{ terms}).$$

G

Answer

128

Find the sum of the following
sequence:

$$1 + 5 + 9 + 13 + \dots + 397$$

H

Answer

-520

Find the 50th term in the
following sequence:

$10, 7, 4, 1 \dots$

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Answer

101

Find u_n for the following
sequence:

$x, \quad x + 3, \quad x + 6$

J

Answer

$$4n + 13$$

How many terms of the
following sequence are
positive?

720, 718, 716 ...

K

Answer

$$x + 3n - 3$$

Find the sum of the following sequence:

$$100 + 98 + 96 + 94 + \dots + 2$$

L

Answer

3

For the following arithmetic sequence
find u_n :

$$U_3 = 25 \text{ and } u_7 = 41.$$

M

Answer

3360

If I put 2 grains of rice on the first square of a chessboard, then 4 on the next, then 6 on the 3rd square, how much rice will be on the 64th square?

N

Answer

360

If I put 10 grains of rice on the first square of a board then 20 on the next, then 30 on the 3rd square, on what square is there first more than 1000 grains?

0

Answer

198

Find the sum of the following
sequence:

$$73 + 68 + 63 + \cdots (25 \text{ terms}).$$

P

Answer

19900

Find the sum of the following
sequence:

$$18 + 15 + 12 + \cdots (31 \text{ terms}).$$