

Name : _____

Arithmetic Series

Sheet 3

- 1) Neilsen plans to remodel the hearth of his fireplace. He stacked up bricks in a total of 8 rows. The first row contained 15 bricks, the second row had 13 bricks, the third row had 11 bricks and so on. How many bricks in all does the stack hold?
- _____

- 2) Kris invested money in the shares of a company and received a dividend of \$2700 at the end of the first year. Every year, the dividends from the investment increased in an arithmetic series. Determine the total amount of dividends received at the end of the seventh year.
- _____

- 3) Mike arranges a total of 86 cans of soup in successive racks of a supermarket. He places 86 cans in successive racks of 10, 9, 8, 7, 6, 5, 4, 3, 2, 1. The number of cans in each rack decreases by 1. How many racks does Mike use to arrange the cans?
- _____

- 4) There are 9 seats in the first row of a cinema. The number of seats in each row increases by 1 for each successive row. If there are 20 rows, find the total number of seats in the cinema.
- _____

- 5) Daisy runs 3 miles around Central Park on Monday. She increases the distance she runs by 0.25 miles each day. Determine the total distance covered from Monday to Friday.
- _____

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Arithmetic Series

- 1) Neilsen plans to remodel the hearth of his fireplace. He stacked up bricks in a total of 8 rows. The first row contained 15 bricks, the second row had 13 bricks, the third row had 11 bricks and so on. How many bricks in all does the stack hold?

64 bricks

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- 3) Mike arranges a total of 86 cans in successive racks of a supermarket. He places 86 cans in successive racks of 10, 9, 8, 7, 6, 5, 4, 3, 2, 1. The number of cans in each rack decreases by 1. How many racks does Mike use to arrange the cans?

- 4) There are 9 seats in the first row of a theater. The number of seats increases by 1 for each successive row. If there are 45 seats in the last row, find the total number of seats in all the rows.

705 seats

- 5) Daisy runs 3 miles around Central Park on Monday. She increases the distance she runs by 0.25 miles each day. Determine the total distance covered from Monday to Friday.

17.5 miles

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