

Write Equations using Symbols Worksheets

Write each of the following statements using symbolic language.

1. The sum of four consecutive even integers is -28 .

2. A number is four times larger than the square of half the number.

3. Steven has some money. If he spends \$9.00, then he will have $\frac{3}{5}$ of the amount he started with.

4. The sum of a number squared and three less than twice the number is 129.

5. Miriam read a book with an unknown number of pages. The first week, she read five less than $\frac{1}{3}$ of the pages. The second week, she read 171 more pages and finished the book. Write an equation that represents the total number of pages in the book.

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Write Equations using Symbols Worksheets

Write each of the following statements using symbolic language.

1. The sum of four consecutive even integers is -28 .

Let x be the first even integer. Then, $x + x + 2 + x + 4 + x + 6 = -28$.

2. A number is four times larger than the square of half the number.

Let x be the number. Then, $x = 4 \left(\frac{x}{2}\right)^2$.

3. Steven has some money. If he spends \$9.00, then he will have $\frac{3}{5}$ of the amount he started with.

Let x be the amount of money (in dollars) Steven started with. Then, $x - 9 = \frac{3}{5}x$.

4. The sum of a number squared and three less than twice the number is 129.

Let x be the number. Then, $x^2 + 2x - 3 = 129$.

5. Miriam read a book with an unknown number of pages. The first week, she read five less than $\frac{1}{3}$ of the pages. The second week, she read 171 more pages and finished the book. Write an equation that represents the total number of pages in the book.

Let x be the total number of pages in the book. Then, $\frac{1}{3}x - 5 + 171 = x$.