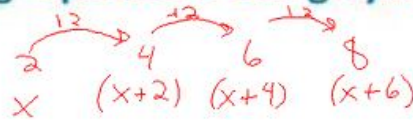


Lesson 1: Writing Equations Using Symbols



Classwork

Exercises

Write each of the following statements using symbolic language.

1. The ^{add}sum of four consecutive even integers is -28 .

Let $x =$ first even integer

$$x + (x+2) + (x+4) + (x+6) = -28$$

four times larger than 2

$$\frac{4 \times 2}{\text{half of } 5 \times 6} = \frac{6}{2}$$

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

Let $n =$ a number

$$n = 4 \left(\frac{n}{2}\right)^2$$

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

Let $m =$ Steven's money

$$m - 9 = \frac{3}{5}m$$

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.