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UNIT I
Fundamentals

Lesson 1: Mathematical Parts of Speech

EXERCISES

Tell what part of mathematical speech each of the following is, and state in words what each means.

1. 3.14

2. { } as in the expression $\{x + 3\}$

3. • as in the expression $3.2 \cdot 10$

4. Parentheses as in the expression $(4)(7)$

5. The bar in the expression $\frac{8 + 14}{2}$

6. $<$

7. $\frac{5}{3}$

8. 8.1

9. The letter x as in $5x$

10. The $>$ in the expression $m > n$

UNIT II

First-Degree Relations with One Variable

Lesson 29: Solution Statements and Solution Sets

EXERCISES

For each of the following solution statements, give the solution set using set notation (roster, if possible) and using a number line.

1. $x = -\frac{5}{2}$

2. $m = 5$

3. $y = \frac{5}{3}$

4. $v = -6$

5. $f = 3.14$

For each of the following solution statements, give the solution set using set notation with the rule method and also by using a number line.

6. $m > -3$

7. $x \leq 4$

8. $p \geq 0$

9. $a \leq \frac{5}{2}$

10. $v > -6$