

8th Grade Lesson 74

- I can insert parentheses into expressions and change subtraction to algebraic addition.

$$5 - 3 = 2$$

$$5 + (-3) = 2$$

Algebra is a thought process that helps you solve hard problems.

$$\begin{aligned}
 &(-4)(+3)(-2)(-6) \\
 &(-4) + (+3) + (-2) + (-6) \\
 &(-1) + (-2) + (-6) \\
 &(-3) + (-6) \\
 &\textcircled{-9}
 \end{aligned}$$

Algebraic addition is the procedure of inserting parentheses and then adding.

$$\begin{aligned}
 &-2 + 3 - 5 + 7 \\
 &(-2) + (+3) + (-5) + (+7) \\
 &((-2) + (+7)) + (-5) + (+3) \\
 &\textcircled{3}
 \end{aligned}$$

$$\begin{aligned}
 &-3 - 2 - 6 + 2 - 7 \\
 &(-3) + (-2) + (-6) + (+2) + (-7)
 \end{aligned}$$

$$\textcircled{-16}$$

$$-3 - 2 + 3 - 4 + 5$$

$$(-3) + (-2) + (3) + (-4) + (5)$$

$$(-5) + (3) + (-4) + (5)$$

$$(-2) + (-4) + (5)$$

$$(-6) + (5)$$

$$\textcircled{-1}$$



Assignment:

Problem Set 74 #1-8, 12, 14,
17, 20-23