

You now know how to solve inequalities by using addition, subtraction, multiplication, and division. In this lesson, we will practice solving inequalities that require using more than one of these operations. Be careful, some of these inequalities have unusual solutions!

1. $6n - 3 > -18$

2. $6 - 3p \geq -9$

3. $-4 \leq 4(6y - 12) - 2y$

4. $-(7c - 18) - 2c > 0$

5. $4v + 8 \geq 6v + 10$

6. $3s + 6 \leq -5(s + 2)$

7. $-5r + 6 \leq -5(r + 2)$

8. $6w - 4 \leq 2(3w + 6)$

9. Find, circle, and explain the error in the work below, and then show how to do the problem correctly.

$$5(p + 3) > 4p + 2$$

$$5p + 3 > 4p + 2$$

$$5p > 4p - 1$$

$$p > -1$$

Book Work 3-4: p 190: 9-41 every other odd, 45-53 odd