

TUESDAY 7<sup>th</sup> GRADE MATH HOMEWORK

4.2

Solving Inequalities Using Addition or Subtraction (pp. 130–135)

Solve  $-5 < m - 3$ . Graph the solution.

$$-5 < m - 3$$

Write the inequality.

Undo the subtraction.

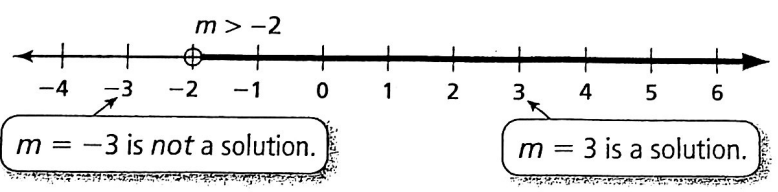
$$\rightarrow +3 \quad +3$$

Addition Property of Inequality

$$-2 < m$$

Simplify.

∴ The solution is  $m > -2$ .



Exercises

Solve the inequality. Graph the solution.

8.  $d + 12 < 19$

9.  $t - 4 \leq -14$

10.  $-8 \leq z + 6.4$

WEDNESDAY 7<sup>th</sup> GRADE MATH HOMEWORK

4.3

Solving Inequalities Using Multiplication or Division (pp. 138–145)

Solve  $\frac{c}{-3} \geq -2$ . Graph the solution.

$$\frac{c}{-3} \geq -2$$

Write the inequality.

Undo the division.

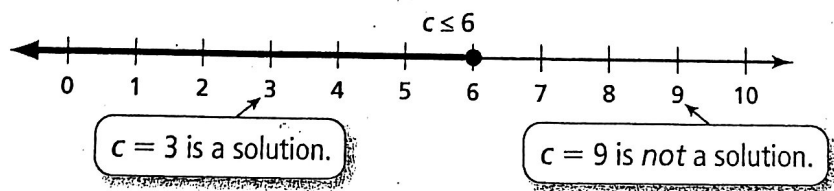
$$\rightarrow -3 \cdot \frac{c}{-3} \leq -3 \cdot (-2)$$

Use the Multiplication Property of Inequality. Reverse the inequality symbol.

$$c \leq 6$$

Simplify.

∴ The solution is  $c \leq 6$ .



Exercises

Solve the inequality. Graph the solution.

11.  $6q < -18$

12.  $-\frac{r}{3} \leq 6$

13.  $-4 > -\frac{4}{3}s$