

Name: _____

Graphing Two-Step Inequalities

Some inequalities may have solutions in the form of fractions or decimals. They can still be graphed on a number line.

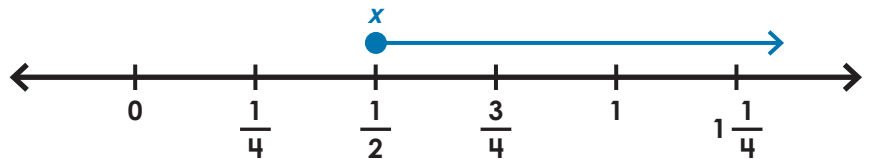
Fractions should be in simplest form.

example: $10x + 2 \geq 7$

$$\frac{-2}{-2} \quad \frac{-2}{-2}$$

$$\frac{10x}{10} \geq \frac{5}{10}$$

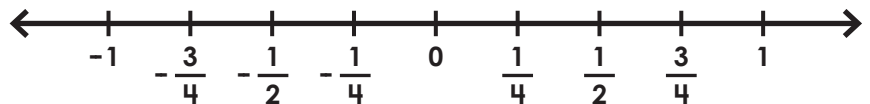
$$x \geq \frac{1}{2}$$



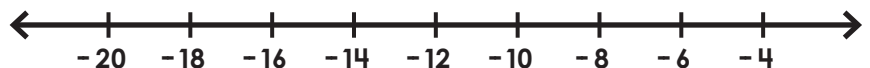
Preview

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2. $-16b - 4 \leq 4$

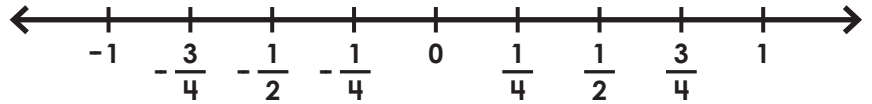


3. $25.2 \leq -1.5c + 1.2$

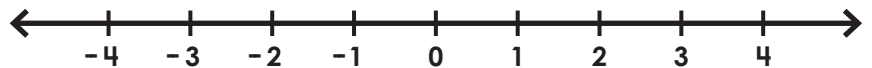


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4. $12d + 6 < 15$



5. $-0.4e + 0.8 < 2$



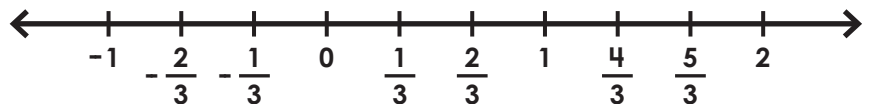
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7. $4.7g + 16 \geq 27.28$



8. $-9h - 18 > -24$

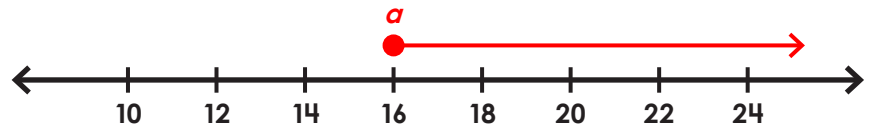


ANSWER KEY

Graphing Two-Step Inequalities

1. $-3.6 \geq -0.3a + 1.2$

$a \geq 16$



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8. $-9h - 18 > -24$

$h < \frac{2}{3}$

