

7.7 SOLVING INEQUALITIES WITH MULT. OR DIV.

Guided Notes

1

Key Ideas

Multiplication Property of Inequality

Words When you _____ each side of an _____ by the _____ number, the inequality remains _____

Numbers

Algebra

Division Property of Inequality

Words When you _____ each side of an _____ by the _____ number, the inequality remains _____

Numbers

Algebra


These properties are also true for \leq and \geq .

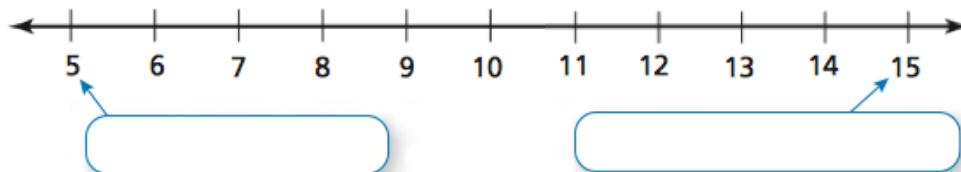
EXAMPLE 1 Solving an Inequality Using Multiplication

Solve $\frac{x}{5} \leq 2$. Graph the solution.

Write the _____

Property of _____

 The solution is _____



EXAMPLE 2 Solving an Inequality Using Division

2

Solve $4n > 32$. Graph the solution.

Write the

Property

••• The solution is

