Algebra 1
5.2 Solve inequalities

Solve inequalities by multiplication and division
Write and solve inequalities

open $<$ $>$ ○ closed $\leq$ $\geq$ ●

opposite

trichotomy

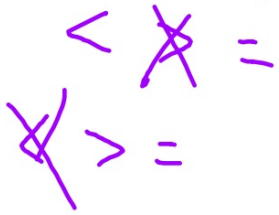
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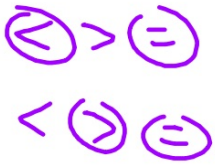
activity: triangle puzzles

Three options:

Word problems:
"at most"
"at least"
"not more than"
"no less than"

this or less
this or higher





Three times a number is at least 108.

$\frac{3n}{3} \geq \frac{108}{3}$ $\quad n \geq 36$

The opposite of four times a number is less than 16.

$\frac{-4n}{-4} < \frac{16}{-4}$ $\quad n > -4$

Negative 3 times a number is at most 99.

$\frac{-3n}{-3} \leq \frac{99}{-3}$

$n \geq -33$