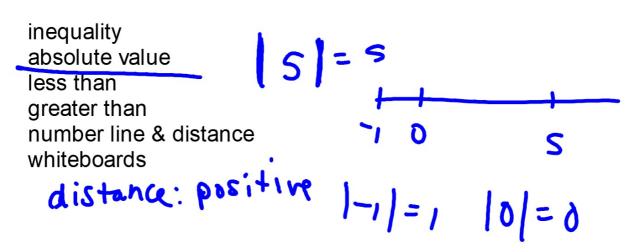
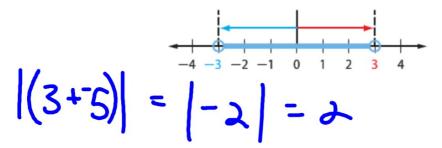
Algebra 1 5.5 Solve and graph absolute value inequalities



Gr. 6-7 standard

Absolute Value Inequalities (<) The inequality |x| < 3 means that the distance between x and 0 is less than 3.



- | |=5
- | |=8
- | |=13
- | |= -2

b.
$$|y-1| < -2$$

Trick question!

What could have been inside? :(
Find each end
Is the distance less or more?
What is in the middle?

PT

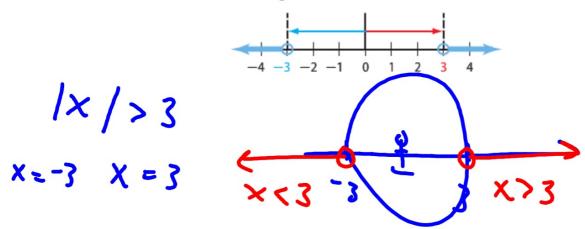
Real-World Example 2 Apply Absolute Value Inequalities

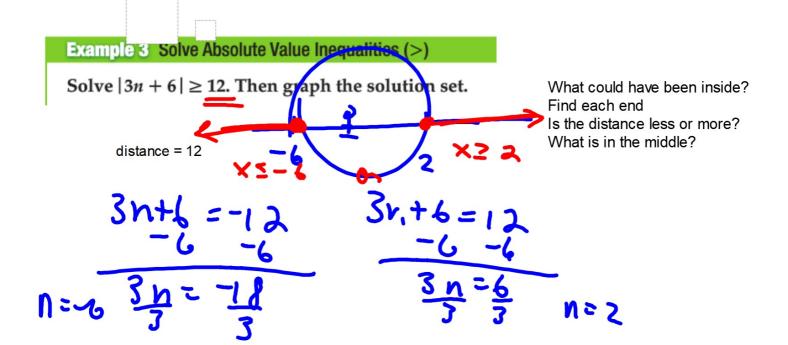
INTERNET A recent survey showed that 65% of young adults watched online video clips. The margin of error was within 3 percentage points. Find the range of young adults who use video sharing sites.

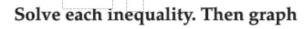
GuidedPractice

2. CHEMISTRY The melting point of ice is 0°C. During a chemistry experiment, Jill observed ice melting within 2°C of this measurement. Write the range of temperatures that Jill observed.

2 Absolute Value Inequalities (>) The inequality |x| > 3 means that the distance between x and 0 is greater than 3.







3A. |2k+1| > 7

What could have been inside? Find each end Is the distance less or more? What is in the middle?





What could have been inside? :(
Find each end
Is the distance less or more?
What is in the middle?