5.2 Absolute Value

Objective: To understand opposites and absolute value



Opposites

What is the opposite of up? down What is the opposite of down? up What is the opposite of right? left What is the opposite of north? south What is the opposite of 5? -5 What is the opposite of the opposite of 5?

Opposites (change sign)

What is the opposite of 25? 25 What is the opposite of -3.8? 3.8

What is the opposite of the opposite of -18? -18 What is the opposite of the opposite of 26? 26

Absolute Value

Absolute Value - A numbers distance from zero on the number line. The symbol is ||. - Absolute value is ALWAYS positive 1) |3| = 32) |-3| = 33) |-2.3| = 2.34) -|-3| = -35) -|15| = -156) |0|=0

Absolute Value and Expressions

7) |3| + |-12|8) |-3|+|12|3 + 12 3 + 12 15 15 9) |-21|-|-15|7) |-1.5| + |-6|1.5+621-15 7.5 Which number is bigger? 10) |-21| or |12| 11) |-2.5| or |2.25|21or 15 2.5 or 2.25 |-21||-2.5|