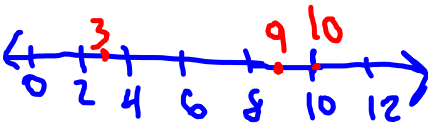
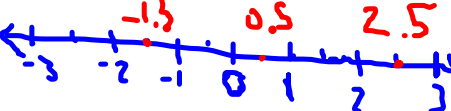
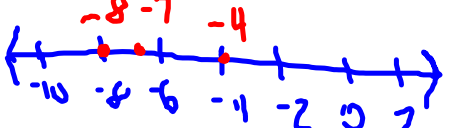
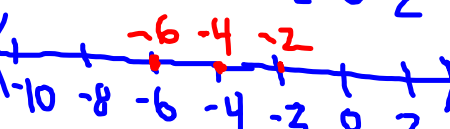
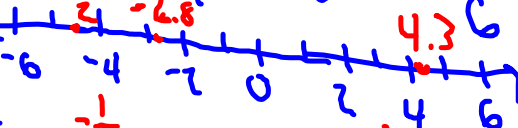
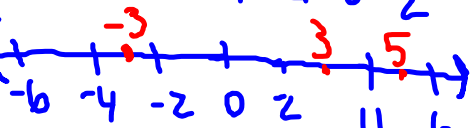
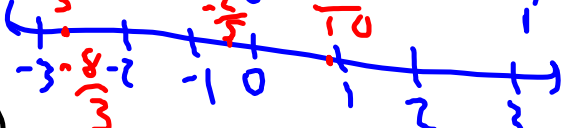


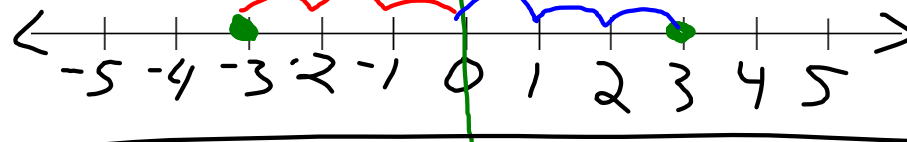
- ① negative, positive ②9 $10 < 11, 11 > 10$
- ② whole ③1 D ③2 B ③3 C ③4 A
- ③5  ③5 
- ③7  ③7 
- ③9  ③9 
- ④1  ④1 
- ④3 
- ④5 $-1, -0.2, 0, 0.2, 2$
- ④7 $-5.2, -5.1, -\frac{10}{4}, 3.4, 4.1, \frac{9}{2}$
- ④9 $-\frac{7}{2}, -2.6, -\frac{1}{2}, 0, \frac{1}{2}, 4.8$
- ⑤6 canopus, procyon, sirius
- ⑤7 pollux, altair, spica, regulus, deneb
- ⑤8 sirius
- ⑤9 regulus

2.2. Absolute Value

Oct. 12, 2006

opposites: Two numbers that are the same distance from zero on the # line.

ie: -3 & 3 are opposites
3 units 3 units



What is the opposite of:

-4 : 4

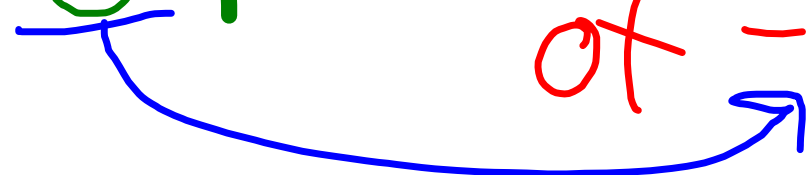
-1.5 : 1.5

82 : -82

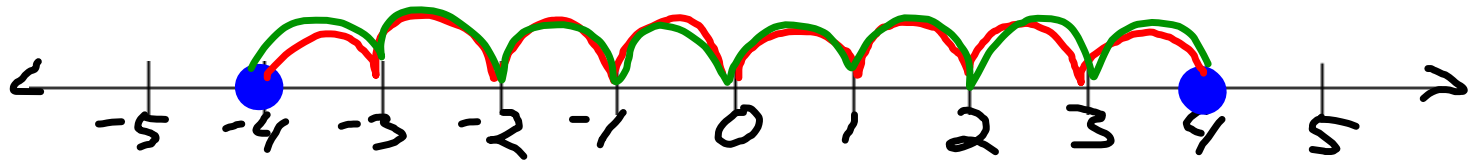
-absolute value: a number's distance from zero on the # line

We use the $||$ symbol to represent Abs. Value.

ie: $|-5| \Rightarrow$ Absolute Value of -5



ex)



$$|4| = \underline{\underline{4}}$$

$$|-2.5| = 2.5$$

$$|-4| = \underline{\underline{4}}$$

$$|2.5| = 2.5$$

the opposite of the distance from zero of $\frac{1}{2}$

$$-\left|\frac{1}{2}\right| = \underline{\underline{-\frac{1}{2}}}$$

$$-\left|-\frac{3}{4}\right| = \underline{\underline{\frac{3}{4}}}$$

Use Mental Math to Solve:

$$|x| = 7$$

What numbers have A distance from zero that is 7?

$$\underline{\underline{x = 7}} \quad \text{or} \quad \underline{\underline{x = -7}}$$

Both are 7 from zero

O.T.L.

①Pg 74 : 1-15(a)
17-39(o)