

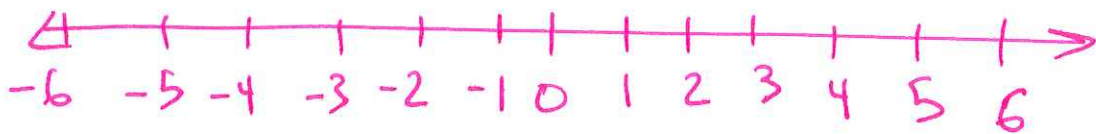
# Chapter 2 - The Integers - Positive and Negative whole numbers

## Section 2.1

### Introduction to Integers

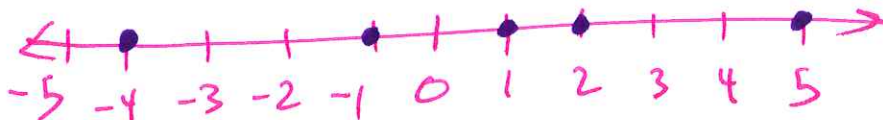
banking - withdrawal, loan  
video game  
golf  
deficit  
sports  
temperature / wind chill  
elevation 350 ft below sea level

### Number Line

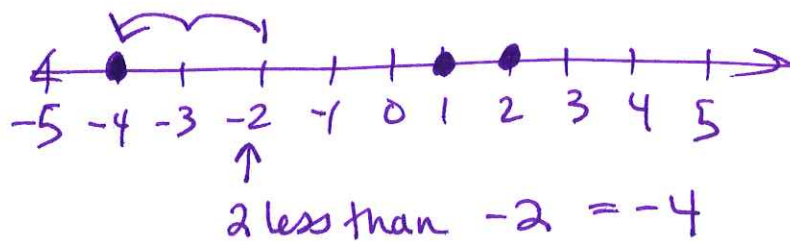


Graph the numbers on a number line

24. 2, -4, 5, 1, -1



30.



# Less than and greater than

$<$   
less than  
Symbol  
"L"

$>$   
greater than  
Symbol

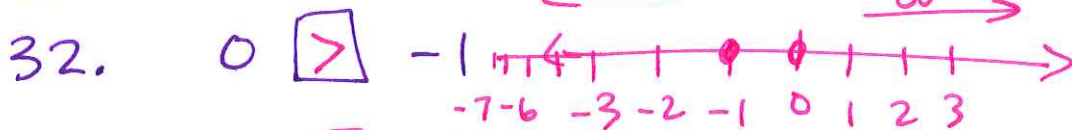
$\leq$   
less than  
or  
equal

$\geq$   
greater than  
or  
equal

$$3 < 5$$

$$2 > 1$$

~~31~~



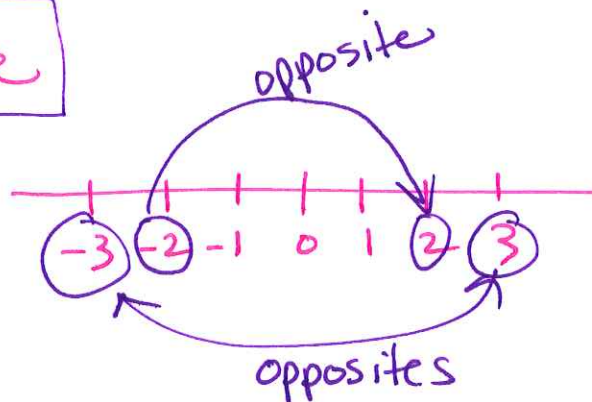
34.  $-7 <$  

The number line shows integers from -7 to 3. A red dot is placed at -6. An arrow above the line points to the left, labeled "smaller".

40.  $-77 \leq -76$  true

42.  $37 \geq 37$  true

Opposite



mirror  
alternate  
dimension

$-3$   
 $\uparrow$   
the opposite of 3  
 $-(-3) = 3$

58.  $-(-9) = 9$

62.  $-(-703) = 703$

Absolute Value

| 3 |

[ 3 ]

The value without the sign

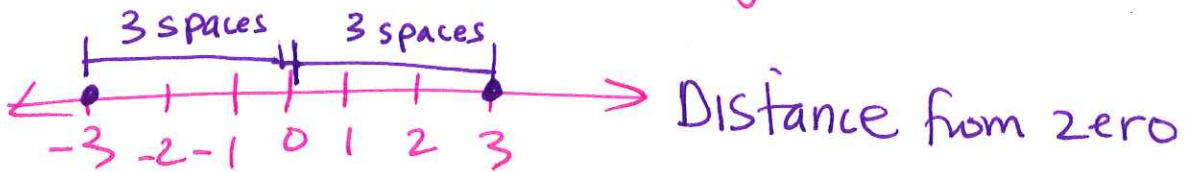
vertical bars

bracket

| 3 | = 3

| -3 | = 3

car wash washes off the negative signs



50. | -1 | = 1

52. | -85 | = 85

54. | 371 | = 371

64. - | 143 | = -143

68. - | -11 | = -11

84. NASCAR

- 1. Jimmie Johnson Leader (0)
- 2. C.E. -69
- 3. G.B. -217

4.	KH	-276
5.	CB	-303
6.	JB	-349
7.	JG	-368
8.	DH	-470
9.	TS	-482
10.	KB	-498

## Section 2.2 - Adding Integers

Same sign  
add

You get paid \$30 and then you get paid \$50  
 $30 + 50 = 80$

You ~~get p~~  
 spend \$30 and you spend \$50  
 $-30 + (-50) = -80$

opposite sign  
subtract

You get paid \$30 and you spend \$50  
 $30 + (-50) = -20$

You spend \$30 and get paid \$50  
 $-30 + (50) = 20$

24.  $-43 + (-12) = -55$   
 spend spend

34.  $4 + (-2) = 2$   
 have spend