Name: _____ **Date: September 19, 2019**

Math: Real life integers & Review opposites

notes, Song, Video, flipchart   hmwk: Wksht.

Social Studies:

- **Map scale**

HW: Flying

ELA: Warm-Up - Thursday Thoughts
Vocabulary
Quiz Write

Science ① Construct New Pendulum System
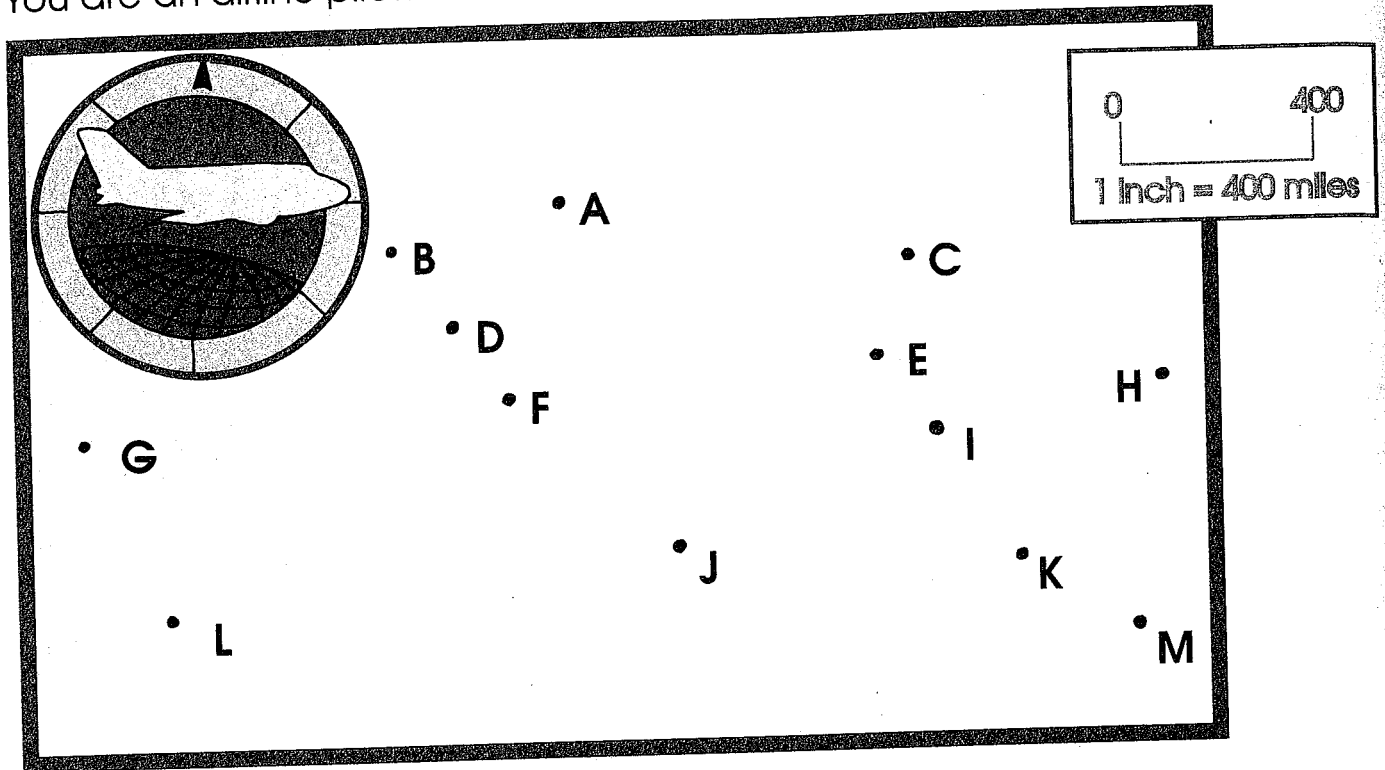In your new team. (pages 2, 13,)

② HW: Science Quiz FRIDAY

Computer Apps/ Technology

Name_____

Flying from Place to Place

You are an airline pilot. You will need a ruler for this activity.


```
0                400
|_____|
1 inch = 400 miles
```

1. You need to file a flight plan from city **J** to city **C**. How far will the plane travel? _____

2. You must fly from city **D** to city **F** to city **E**. How many miles will you travel?_____

3. How far is it from city **H** to city **C**? _____

4. Is it closer to fly from city **I** to city **M** or from city **I** to city **A**? _____

5. If your plane holds enough fuel to fly 500 miles, can you fly from city **L** to city **G** without refueling? _____

6. With fuel for 500 miles, can you fly from city **A** to city **J**? _____

7. About how many miles is it from city **C** to city **M**? _____

8. What direction must you fly from city **H** to city **F**?_____

9. What direction must you fly from city **J** to city **K**?_____

Name _____

Date _____ Pd_____

INTEGERS ON THE NUMBER LINE

The number system ___are___ numbers based on their type and characteristics.
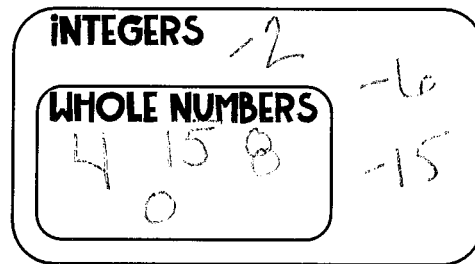
Fill in the blank with the opposite term:

|			
AGREE	disagree	WEAK	strong
AWAKE		LOUD	
OUTSIDE		SAFE	
LAUGH		DOWN	up
CLOSED	open	OLD	young

___Whole Number___ also have opposites!

Positive and negative whole numbers are called ___integers___

Place the following in the diagram:

-2, 4, 15, -6, 8, 0, -15

```
INTEGERS    -2
  WHOLE NUMBERS    -6
     4  15  8       -15
        0
```

Look at the number line below. What do you notice about the numbers to the left of zero?

```
◄——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——►
  -10  -9  -8  -7  -6  -5  -4  -3  -2  -1   0   1   2   3   4   5   6   7   8   9   10
```
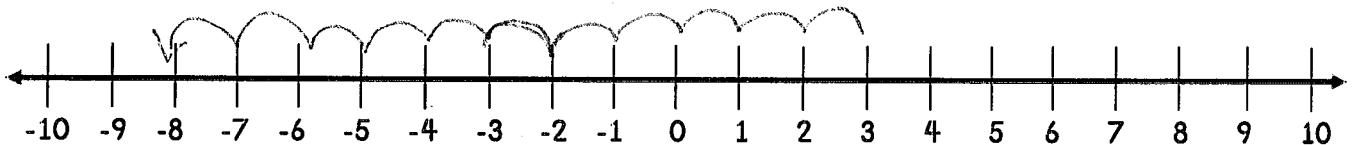
Fill in the table with the number being described.

OPPOSITE OF 6	-6	OPPOSITE OF -5	5
TWO NUMBERS 3 AWAY FROM -1	-4	NEITHER POSITIVE NOR NEGATIVE	0
OPPOSITE OF 2	-2	TWO NUMBERS 6 AWAY FROM -3	-9 3

How is a number related to its opposite? ___The same distance from 0 but in opposite directions___

Use the number line below. Brainstorm different real-world phrases that indicate positive and negative numbers.

```
◄──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──►
  -10 -9 -8 -7 -6 -5 -4 -3 -2 -1  0  1  2  3  4  5  6  7  8  9  10
```
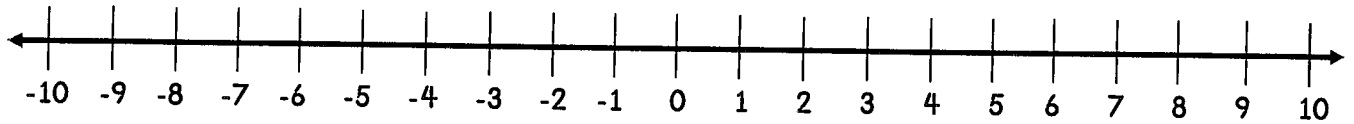
NEGATIVE	ZERO	POSITIVE
down less below dropped charge debit	no change	above gain raise credit deposit

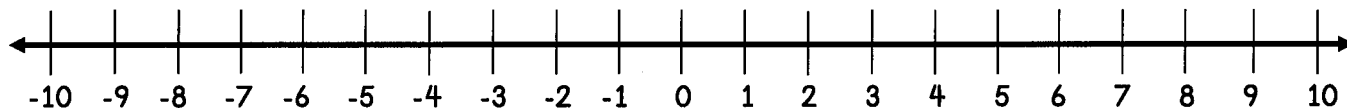Read each of the situations below. Write an integer that describes the situation.

1. ___+57___ A football player caught a 57 yard pass.

2. ___-15___ The temperature dropped 15 degrees overnight.

3. ___+14___ Your account is credited $14.00.

4. ___-550___ A submarine travels at 550 feet below sea level.

5. ___+6___ Carbon has 6 protons.

6. ___+101___ Las Vegas, NV has an average temperature of 101° above zero.

7. ___-27___ A bank account is overdrafted $27.00.

8. ___-5___ A quarterback is sacked for a loss of 5 yards.

9. Write a situation to describe -28: _____

_____

_____

Summarize today's lesson:

Unit: The Number System
Homework 1

Name _____

Date _____ Pd _____

iNTEGERS ON THE NUMBER LiNE

1. Place the following points on the number line below.

A. the opposite of -4
B. six more than -1
C. the opposite of 10
D. six less than 9

E. neither positive nor negative
F. the opposite of 6
G. any positive integer greater than 6
H. any negative integer less than -5

```
◄─┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼─►
  -10 -9 -8 -7 -6 -5 -4 -3 -2 -1  0  1  2  3  4  5  6  7  8  9  10
```

Read the situations below and write an integer that describes the situation.

2. _____ a decrease of 250 attendees

3. _____ the running back loses 7 yards on his carry

4. _____ a deposit into my savings account for $55

5. _____ a drop in temperature of 9° overnight

6. _____ Austin, Texas is 425 feet above sea level.

Explain the meaning of 0 in each situation below.

7. a decrease of 250 attendees

8. the running back loses 7 yards on his carry

9. a deposit into my savings account for $55

10. a drop in temperature of 9° overnight

11. Austin, Texas is 425 feet above sea level.