Cohen Middle School
100 Robinwood Avenue
Elmira Heights, NY 14903
734-5078

Name: _____ Date: February 12, 2020____

Math:	Review hmwk Wksht.
Social Studies:	- Three Doctrines HW: Legalism/Dowling
ELA:	Daily Warm Up Finish 1st Read "My Life With the Chimpanzee" Page 111 Questions 1-5
Science	Hours of Daylight • create graph using data from 2/11/20 • print graph • Bring all to class Thursday 2/13/20
Computer Apps/ Technology	

Hours of Daylight Graph

1. Go to http://nces.ed.gov/nceskids/createagraph/

2. Select **Bar** graph. You will see a screen with tabs: **Design**, **Data**, **Labels**, **Preview**, **Print/ Save**

3. **Design**: Leave the settings as they are for now.

Graph Title:	Your Name -Hours of Daylight Chart
↔ X Axis Label:	Date
↕ Y Axis Label:	Hours of Daylight
Source:	

4. **Data**:

   a. **Graph Title:** <u>Hours of Daylight for (your location)</u>

   b. **X-Axis Label**: Date

   c. **Y-Axis Label** : Hours of Daylight

   d. **Source**: <u>Your Name</u>

   e. **Data Set:** Items 12   Groups 1

   f. **Group Labels**: Group 1: Day length (Hour. Min)

   g. **Item Label:** Enter the dates

   h. **Value:** Enter the hours and minutes of sunlight for each date (Hour. minutes ex. 9.37)

   i. **Min value:** <u>0</u>

   j. **Max Value**: <u>24</u>

Data Set: Items 12 ▾   Groups 1 ▾

Group 1
Group Label: Sunlight (Hour
Color: Bar ▪

	Item Label	Value
Item 1:	Jan 21	9.37
Item 2:	Feb 21	
Item 3:	March 21	
Item 4:	April 21	
Item 5:	May 21	
Item 6:	June 21	
Item 7:		
Item 8:		
Item 9:		
Item 10:		
Item 11:		
Item 12:		

Min-Value: 0
Max-Value: 24

5. **Labels**: Leave the settings as they are for now.

6. **Preview**: After entering data you may see how it looks.

7. **Print/ Save**:

   To Print:

   a. Click "Print" , & Click "Print" again

   b. Click the printer icon

   c. Change the printer to:
      COMFAC-7516 A

   d. Click "Printer Properties" or "Preferences"

   e. Change color from Black & White to "**Color**"

   f. Click "Print"

Project Tools
- **Start a new graph**
- **Erase this graph**
- **Copy to new graph**

Print   Download

NOTE: Pop-ups must be enabled in your browser in order to print or download.

Email this graph ⦿ HTML ◯ Text
to: [   ] **Send**

You will be emailed a link to your saved graph project where you can make changes and print.

Lost a graph? Click here to email you a list of your saved graphs.

To Save: Enter <u>your</u> Email address, click "Send"   TIP: If you add *kidszone@ed.gov* to your contacts/address book, graphs that you send yourself through this system will not be blocked or filtered.

Hours of Daylight for _____

Category	Description—How to earn the points	Possible Point Value	Earned Points
On Time / Data & graph	Yes to both = 2 One = 1 No to both= 0	2	
Graph Title	• I included the Title from the Chart, for my location • I used capitalization	2	
X-axis label, with units	• Labeled "Date" • Capitalization	2	
Y-axis label, with units	• Labeled: Hours of Day Light, or Day Length • Capitalization	2	
Neatness / accuracy	• 12 bars shown • Height of bars match data in chart	2	
Data Chart	• My first and last name is on it • Neat, latitude and city included	2	
Explanation completed		3	
Final Score		/15	

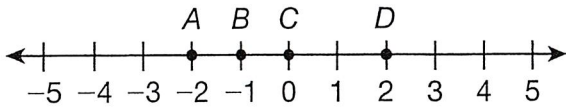1. Name two locations that prove that seasons are opposite.

   _____, Lat: ____; _____. Lat: _____

   _____

2. Write the general relationship between latitude and Length of daylight in the Northern Hemisphere (2 points) _____
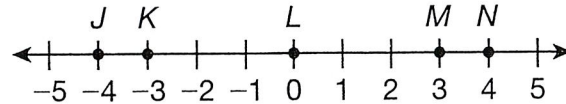
   _____

   _____

   _____

   _____

   _____

Classwork

Lesson Practice

Choose the correct answer.

1. Which point represents a number with an absolute value of 1?

```
        A   B   C       D
   ←—+—+—+—●—●—●—+—●—+—+—+—→
    -5 -4 -3 -2 -1 0  1  2  3  4  5
```

   A. point A

   B. point B

   C. point C

   D. point D

2. Which statement best describes $|-72|$?

   A. the distance from -72 to 72 on a number line

   B. the distance from -7 to -2 on a number line

   C. the distance from -7 to 2 on a number line

   D. the distance from -72 to 0 on a number line

3. A scientist stores liquid nitrogen at a temperature of $-331°F$. Exactly how many degrees Fahrenheit below $0°F$ is the liquid nitrogen?

   A. 331

   B. 31

   C. 0

   D. -331

4. Which point or points on the number line represent numbers with absolute values of 4?

```
           J   K           L           M   N
   ←—+—+—●—●—+—+—+—●—+—+—●—●—+—→
    -5 -4 -3 -2 -1 0  1  2  3  4  5
```

   A. points J and N

   B. points K and M

   C. points K and N

   D. points L and N

5. Lorraine's checking account has a balance of less than $-\$200$. Which statement is true about how much Lorraine owes the bank?

   A. Lorraine owes exactly $200.

   B. Lorraine owes exactly $-\$200$.

   C. Lorraine owes less than $200.

   D. Lorraine owes more than $200.

7. A blue piece of string is 2.355 meters long. A red piece of string is 3.8 meters long. How much longer is the red piece of string than the blue piece of string?

A. 1.975 meters

B. 1.445 meters

C. 0.725 meter

D. 0.653 meter

8. Claire's family drove 129.5 miles on the first day of their vacation. The next day they drove 43.25 miles, and the third day they drove 36.5 miles. How many more miles did they drive on the first day than on the second and third days combined?

A. 211.25 miles

B. 81.75 miles

C. 49.75 miles

D. 43.00 miles

9. The table below shows the masses of three U.S. coins.

Masses of U.S. Coins

Coin	Mass (in grams)
Dime	2.268
Quarter	5.67
Half dollar	11.34

A. A dime and a quarter are placed on one side of a balance scale. A half dollar is placed on the other side. Which side of the scale has the greater mass, in grams? How much greater is it? Show or explain how you determined your answer.

B. What is the total mass of all three coins? Show or explain how you determined your answer.

9. Greg's Gas Station sells three different kinds of gasoline: regular, plus, and premium.

A. Mr. Adams spent $36.25 on 12.5 gallons of regular gasoline at Greg's Gas Station. Determine the cost per gallon for regular gasoline, showing each step in the process.

B. At Greg's Gas Station, premium gasoline costs $0.14 more per gallon than regular gasoline. How much would Mr. Adams have paid if he bought 12.5 gallons of premium gasoline instead? Show or explain your work.

10. Select True or False for each statement.

A. $0.92 \times 32.1 = 29.532$ ⚪ True ⚪ False

B. $58.752 \div 8.16 = 6.2$ ⚪ True ⚪ False

C. $1.9 \times 3.45 = 6.555$ ⚪ True ⚪ False

D. $10.496 \div 4.1 = 2.56$ ⚪ True ⚪ False

Use the table for questions 7 and 8.

Chantal's Flower Bed

Type of Flower	Number of Bulbs
Daffodils	8
Hyacinths	10
Tulips	12

7. Which ratio compares the number of daffodil bulbs to the number of tulip bulbs?

   A. 3:4

   B. 3:2

   C. 4:3

   D. 2:3

8. For every 3 bulbs that were planted, how many were hyacinth bulbs?

   A. 1

   B. 2

   C. 3

   D. 5

9. The table shows the number of votes that the candidates for class president received.

Votes for Class President

Candidate	Number of Votes
Brooke	18
Derek	36
Aidan	54
Julianne	27
Leonard	45

A. For every vote that Brooke received, who received three times as many?

_____

B. What is the ratio, in simplest form, of the number of votes Derek received to the total number of votes? Explain how you found your answer.

_____

_____

_____

Homework

Module 3: Rational Numbers Review Sheet

Write the letter of the corresponding word to each definition on the line provide

1) The horizontal number line on the coordinate plane. _____
numbers

A) opposite

2) Two numbers that are the same distance from 0. _____

B) y-axis

3) The distance a rational number is from 0. _____

C) origin

4) The intersection of the y-axis and x-axis. _____
value

D) absolute

5) The vertical number line on the coordinate plane. _____

E) x-axis

For questions 6 – 11, choose 3 to answer. If you can answer 3 easily, try to challenge yourself and answer all 6. You can use the number line to help you decide which symbol to use.

Compare. Write <, >, or =.

6) -4.8 $-4\frac{4}{5}$

7) 12.63   12.36

8) -6   0

9) -13   -13.08

10) -8.4   -8.25

11) -2.6 $-2\frac{4}{5}$

12)   Plot and label *Point B -2.3* on the number line below?