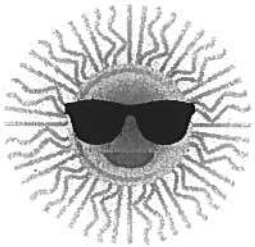
Middle School SUMMER One-Pager Book Report

A "one-pager" is a book report format that helps you think about, appreciate, and understand the fiction book you just read. It is one page, front and back. The more creative you allow yourself to be, the more you will get out of the reading assignment. One-pagers, when done well, also provide a terrific review that can inspire others to read your book.



Use white, unlined 8 1/2 x 11 paper (computer paper).

On the Front:

- Write the title of the book and author's name. Be creative!

- Choose one important quotation from the story and write it on the front. Tell what page number the quote can be found on. Use quotation marks to note that it is a direct quote from the book.

- Explain why the quotation is significant. ("This quotation expresses…")

- Using markers or colored pencils, draw pictures/images that symbolize different parts of the story. The page should be filled with color. You may use some computer-generated graphics, but some of the art should be your own designs, drawn by you.

Hint: When working on the front page, be as creative and artistic as you can! Write on a slant, or weave your words around the pictures. Upside down, curved or mirror imagery…let your artistic side loose. The more creative you become, the more you think and learn! Have fun with your freedom!

On the Back (include your proper heading):

- Write a brief summary of the story. **(1-2 paragraphs)**. Tell about the major events (the plot), including the conflict (what's the main problem) the setting (where and when is this all happening?), and the characters (what are they like? What are they trying to do? Who or what is trying to stop them?) Just tell the MOST IMPORTANT information. Make sure to use your OWN words!

- Write a short paragraph about the **theme.** Remember that the theme is a larger message about life that the author suggests by what the characters learn from the events in the story. For example, a theme in The Three Little Pigs could be *doing the job right the first time will save you time and trouble in the end.* Think about what lesson the characters in your book learned. What could one possible theme of the story be? Support your theme with specific examples from the story.

III. Assessment Rubric

One-Pager Assessment Due Sept. 6, 2023

Name_____ Grade_____

Title of Book: _____

Genre:_____

Author_____

Information	Points	
1. Summaries are clear and complete and only discuss the **most important information about the plot, including the conflict, characters, and setting**	25	
2. **Identifies a theme** that can be supported by details and events in the story	15	
3. **Explanation of one quotation** which shows deep understanding of the text.	15	
4. Visuals and symbols are presented creatively, selectively, and are understandable to the viewer/reader (I can tell what you drew, and why you chose to include the pictures you drew). Good effort was made to create a colorful and engaging front side.	25	
5. Standard conventions (grammar, punctuation, capitalization, usage, and spelling) are followed, including proper heading.	10	
6. Students followed the correct format, outlined on the assignment page, as closely as reasonably able.	10	
	Total: 100	

Summer Reading List

Choose **one** of the following books (that you **have not read** before) to read this summer and complete your book report.

5th Grade going to 6th Grade
The Cricket in Times Square George Selden
Wonder - RJ Palacios
Bridge to Terabithia - Katherine Patterson
The One and Only Ruby - Katherine Applegate
The One and Only Bob - Katherine Applegate

6th Grade going into 7th Grade
The Westing Game - Ellen Raskin
El Deafo - CeCe Bell
Maniac Magee - Jerry Spinelli
Walk Two Moons - Sharon Creech
The Crossover - Kwame Alexander

7th Grade going into 8th Grade
When You Reach Me - Rebecca Stead
Tuck Everlasting - Natalie Babbit
Freak the Mighty - Rodman Philbrick
Inside Out and Back Again - Thanhha Lai
The House on Mango Street - Sandra Cisneros

St. Helen Catholic Academy
June 2023

Summer Math Review Packet
Incoming 8th Grade

Dear Eighth Graders,

The purpose of this work is for you to review basic skills that we covered during the past year. This is important so that in September, we can move ahead with 8th grade math topics.

All work must be clearly shown for each problem, with the answer clearly labeled. You must write neatly and clearly in pencil. Your work should be written in the space provided, but if you need more room, attach loose leaf with any additional work.

Please note that on some papers, only odd or even-numbered problems must be completed. This will be noted at the top of the paper.

You may want to refer to your notes taken during the year for additional help with the worksheets.

This math packet is due on the first day of school. Do not wait until the end of the summer; do a little at a time. Please e-mail me if you have any questions about the assignment.

I enjoyed working with you during the year and I am proud of your progress and achievements in math. I look forward to our continued success next year!

Have a wonderful, safe, and enjoyable summer with your family and friends. Remember to pray and go to Church.

All the best,

Mr. Sauro

INCOMING 8th GRADE MATH SUMMER PACKET

IMPORTANT DIRECTIONS

COMPLETE **ONLY THE EVEN-NUMBERED PROBLEMS** ON EACH WORKSHEET!

For the worksheet on Distributive Property, eliminate # 4, 10, 12, and 24

YOU MUST SHOW ALL WORK IN SOLVING EACH PROBLEM.
IF YOU ARE HAVING DIFFICULTY WITH A PARTICULAR QUESTION CIRCLE IT AND WE WILL GO OVER IT WHEN WE RETURN IN SEPTEMBER.

Any questions ..... e-mail me!

Kuta Software - Infinite Algebra 1

Name_____

Using the Distributive Property

Date_____ Period____

Simplify each expression.

1) $-6(a + 8)$

2) $4(1 + 9x)$

3) $6(-5n + 7)$

4) $(9m + 10) \cdot 2$

5) $(-4 - 3n) \cdot -8$

6) $8(-b - 4)$

7) $(1 - 7n) \cdot 5$

8) $-6(x + 4)$

9) $5(3m - 6)$

10) $(-6p + 7) \cdot -4$

11) $5(b - 1)$

12) $(x + 9) \cdot 5$

13) $-4(-8x-8)$

14) $-6(7+x)$

15) $-3(x-5)$

16) $-5(10x+1)$

17) $(1+2v)\cdot 5$

18) $-8(1-5x)$

19) $-7(5k-4)$

20) $-5(7a-6)$

21) $5(n+6)$

22) $4(3r-8)$

23) $3(5+5x)$

24) $(1+9x)\cdot -10$

Kuta Software - Infinite Pre-Algebra

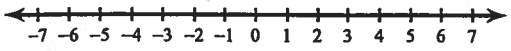
Name_____

Inequalities and Their Graphs

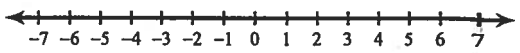
Date_____ Period____

Draw a graph for each inequality.

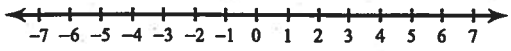
1) $x \leq 1$



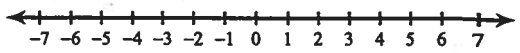
2) $m > -2$



3) $x \leq 4$



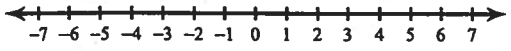
4) $m > -6$



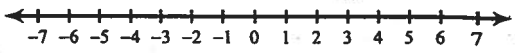
$x \leq 4$

$a \leq -5$

5) $-5 \geq a$

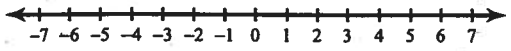


6) $4 \geq x$

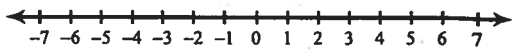


$b > -2$

7) $-2 < b$

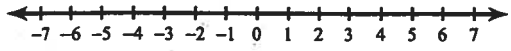


8) $1 > x$ $x < 1$

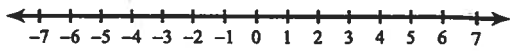


$-2n \geq 4$

9) $-r \leq -2$

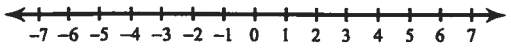


10) $4 \leq -2n$

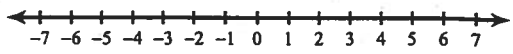


$-x > 1$

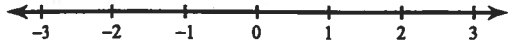
11) $-n \leq -5$



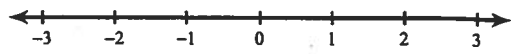
12) $1 < -x$



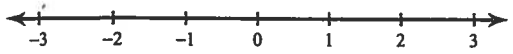
13) $n \geq \frac{3}{2}$



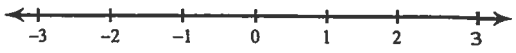
14) $k < 2$



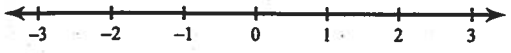
15) $p \geq -1\frac{1}{2}$



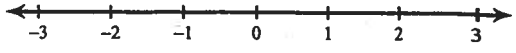
16) $n \geq 1$



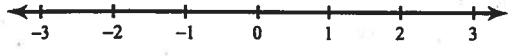
17) $x \geq -2$



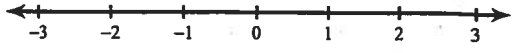
18) $-2\frac{1}{2} \leq n$



19) $-1\frac{1}{2} > -n$

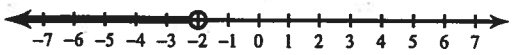


20) $-1\frac{1}{2} \geq v$



Write an inequality for each graph.

21)



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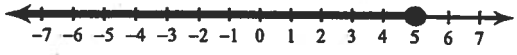

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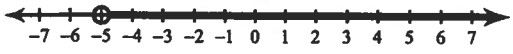

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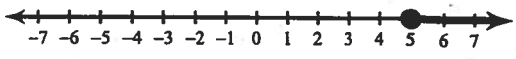

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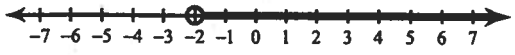

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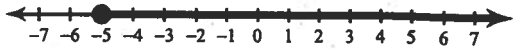

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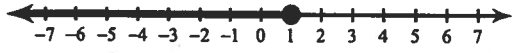

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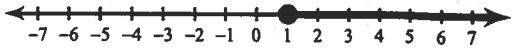


 Name_____

Multiplying/Dividing Fractions and Mixed Numbers

Date_____ Period____

Find each product.

1) $-\frac{5}{4} \cdot \frac{1}{3}$

2) $\frac{8}{7} \cdot \frac{7}{10}$

3) $\frac{4}{9} \cdot \frac{7}{4}$

4) $-\frac{2}{3} \cdot \frac{5}{4}$

5) $-2 \cdot \frac{3}{7}$

6) $-2\frac{2}{3} \cdot 4\frac{1}{10}$

7) $-2\frac{1}{5} \cdot -1\frac{3}{4}$

8) $-1\frac{1}{4} \cdot 9$

9) $-1\frac{5}{7} \cdot -2\frac{1}{2}$

10) $-2\frac{3}{8} \cdot 2\frac{1}{2}$

Find each quotient.

11) $\frac{-1}{5} \div \frac{7}{4}$

12) $\frac{-1}{2} \div \frac{5}{4}$

13) $\frac{-3}{2} \div \frac{-10}{7}$

14) $\frac{1}{2} \div \frac{8}{7}$

15) $\frac{-9}{5} \div 2$

16) $-3\frac{5}{9} \div 3$

17) $-2 \div -3\frac{4}{5}$

18) $\frac{1}{9} \div -1\frac{1}{3}$

19) $1\frac{6}{7} \div 5\frac{3}{4}$

20) $-3\frac{7}{10} \div 2\frac{1}{4}$

 Name_____

Add/Subtracting Fractions and Mixed Numbers

Date_____ Period____

Evaluate each expression.

1) $\frac{5}{4} - \frac{3}{4}$

2) $\frac{3}{2} - \frac{1}{2}$

3) $\frac{2}{5} + \frac{4}{5}$

4) $\frac{1}{3} - \frac{1}{3}$

5) $6 - \frac{1}{6}$

6) $\frac{1}{2} - \frac{1}{2}$

7) $\frac{1}{5} + \frac{1}{5}$

8) $\frac{7}{6} - \frac{5}{6}$

9) $\left(-\frac{4}{5}\right) - \frac{7}{8}$

10) $\frac{1}{3} - \left(-\frac{5}{3}\right)$

11) $\left(-\frac{1}{3}\right) + \frac{3}{8}$

12) $\left(-\frac{10}{7}\right) + \frac{1}{6}$

13) $\frac{9}{5} + \left(-\frac{4}{3}\right)$

14) $2 - \frac{13}{8}$

15) $\frac{9}{5} - \frac{5}{8}$

16) $\left(+\frac{4}{3}\right) - \left(+\frac{3}{2}\right)$

17) $(-1) + \left(-2\frac{2}{5}\right)$

18) $\left(+3\frac{3}{5}\right) - 4\frac{2}{5}$

19) $3\frac{6}{7} + \left(-1\frac{1}{7}\right)$

20) $1\frac{2}{7} + \left(+3\frac{4}{7}\right)$

21) $2\frac{1}{3} + \left(-1\frac{2}{3}\right)$

22) $\left(-1\frac{3}{4}\right) + \left(+3\frac{3}{4}\right)$

23) $\left(-1\frac{7}{8}\right) + \left(-3\frac{1}{2}\right)$

24) $\left(-2\frac{7}{8}\right) + \left(+1\frac{1}{2}\right)$

25) $\left(-2\frac{5}{6}\right) - \left(-1\frac{1}{4}\right)$

26) $\left(-3\frac{5}{8}\right) - 4\frac{2}{5}$

27) $1\frac{2}{5} - \left(-3\frac{3}{4}\right)$

28) $2\frac{4}{5} - \frac{5}{8}$

Kuta Software - Infinite Pre-Algebra

Name_____

Order of Operations

Date_____ Period____

Evaluate each expression.

1) $(30 - 3) \div 3$

2) $(21 - 5) \div 8$

3) $1 + 7^2$

4) $5 \times 4 - 8$

5) $8 + 6 \times 9$

6) $3 + 17 \times 5$

7) $7 + 12 \times 11$

8) $15 + 40 \div 20$

9) $20 + 16 - 15$

10) $19 - 15 - 3$

11) $9 \times (3 + 3) \div 6$

12) $(9 + 18 - 3) \div 8$

13) $9+6\div(8-2)$

14) $4(4\div2+4)$

15) $6+(5+8)\times4$

16) $6\times6-(7+5)$

17) $(9\times2)\div(2+1)$

18) $2-(4+3-6)$

19) $7\times7-(8-2)$

20) $9-7-6\div6$

21) $(4-1+8\div8)\times5$

22) $(10\times2)\div(1+1)$

23) $7\times9-7-3\times5$

24) $8-1-(18-2)\div8$

Kuta Software - Infinite Pre-Algebra

Name_____

Two-Step Equation Word Problems

Date_____ Period____

1) 331 students went on a field trip. Six buses were filled and 7 students traveled in cars. How many students were in each bus?

2) Aliyah had $24 to spend on seven pencils. After buying them she had $10. How much did each pencil cost?

3) The sum of three consecutive numbers is 72. What are the smallest of these numbers?

4) The sum of three consecutive even numbers is 48. What are the smallest of these numbers?

5) You bought a magazine for $5 and four erasers. You spent a total of $25. How much did each eraser cost?

6) Maria bought seven boxes. A week later half of all her boxes were destroyed in a fire. There are now only 22 boxes left. With how many did she start?

7) Sumalee won 40 super bouncy balls playing horseshoes at her school's game night. Later, she gave two to each of her friends. She only has 8 remaining. How many friends does she have?

8) Imani spent half of her weekly allowance playing mini-golf. To earn more money her parents let her wash the car for $4. What is her weekly allowance if she ended with $12?

9) Aliyah had some candy to give to her four children. She first took ten pieces for herself and then evenly divided the rest among her children. Each child received two pieces. With how many pieces did she start?

10) How old am I if 400 reduced by 2 times my age is 244?

11) Jill sold half of her comic books and then bought sixteen more. She now has 36. With how many did she begin?

12) For a field trip 4 students rode in cars and the rest filled nine buses. How many students were in each bus if 472 students were on the trip?

13) On Tuesday Shanice bought five hats. On Wednesday half of all the hats that she had were destroyed. On Thursday there were only 17 left. How many did she have on Monday?

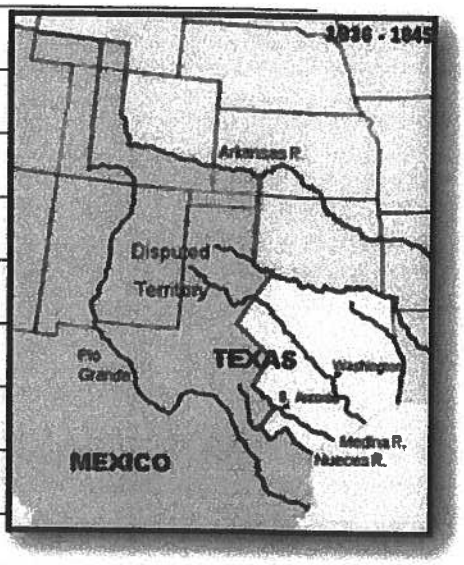
14) The Cooking Club made some pies to sell at a basketball game to raise money for the new math books. The cafeteria contributed four pies to the sale. Each pie was then cut into five pieces and sold. There were a total of 60 pieces to sell. How many pies did the club make?

Name _____ Period _____

Causes of the Mexican-American War: A Mini DBQ!

Directions: Use what you just learned and finish the statement below:

The United States went to war with Mexico in 1846. This war was sparked over a border dispute between the United States and Mexico over the southern border of Texas. Just where did Texas end and Mexico begin? The United States claimed the southern border of Texas was the Rio Grande River, however Mexico believed the southern border of Texas was the Nueces River. However, this is only the spark that led to this bloody conflict. There are many other issues that caused this war...



Name _____ Period _____

A Mini DBQ:

WHY WAS THE MEXICAN-AMERICAN WAR FOUGHT, WHO SUPPORTED IT, AND WHO WAS AGAINST IT?

Directions: Read the short excerpts below and decide which of the three overarching questions it to after you rephrase what the source is saying.

Source #1 **Source: The Illinois State Register, 1845** "Shall this garden of beauty be suffered to lie dormant in its wild and useless luxuriance?.... Myriads of enterprising Americans would flock to its rich and inviting prairies; the hum of Anglo-American industry would be heard in valleys; cities would rise up on its plains and sea coast, and the resources and wealth of the nation shall be increased to an incalculable degree."	**IS THIS VOICE IN SUPPORT OF THE WAR OR AGAINST IT?**	**CAN YOU REPHRASE WHAT THIS PERSON IS SAYING?**
Source #2 **Source: Ulysses S. Grant Memoirs, 1885** "For myself," Grant wrote later about the United States war against Mexico, "I was bitterly opposed to the measure, and to this day regard the war, which resulted, as one of the most unjust ever waged by a stronger against a weaker nation. It was an instance of a republic following the bad example of European monarchies, in not considering justice in their desire to acquire additional territory."	**IS THIS VOICE IN SUPPORT OF THE WAR OR AGAINST IT?**	**CAN YOU REPHRASE WHAT THIS PERSON IS SAYING?**
Source #3 **Source: Ashbel Smith, (Former) Sec. of State of the Texas Republic, 1845** "The Mexican War is part of the mission of the destiny allotted to the Anglo-Saxon race on this continent. It is our destiny, our mission to Americanize this continent.... The sword is the great civilizer."	**IS THIS VOICE IN SUPPORT OF THE WAR OR AGAINST IT?**	**CAN YOU REPHRASE WHAT THIS PERSON IS SAYING?**

Source #4

Source: U.S. Representative Abraham Lincoln, 1848

"Allow the President to invade a neighboring nation, whenever he shall deem it necessary to repel an invasion, and you allow him to do so, whenever he may choose to say he deems it necessary for such purpose, and you allow him to make war at pleasure. Study to see if you can fix any limit to his power in this respect, after having given him so much as you propose. If, to-day, he should choose to say he thinks it necessary to invade Canada, to prevent the British from invading us, how could you stop him?"

IS THIS VOICE IN SUPPORT OF THE WAR OR AGAINST IT?

CAN YOU REPHRASE WHAT THIS PERSON IS SAYING?

Source #5

Source: U.S. Representative David Wilmot, 1848

"We are fighting this war for Texas and the South.... For, this, sir, Northern treasure is being exhausted, and Northern blood poured on the plains of Mexico.... Slavery follows in the rear of our armies. Shall the war power of our government be exerted to produce such a result? Shall this government... lend its power and influence to plant slavery in these territories?"

IS THIS VOICE IN SUPPORT OF THE WAR OR AGAINST IT?

CAN YOU REPHRASE WHAT THIS PERSON IS SAYING?

Source #6

Source: U.S. Representative Henry Clay, 1847

"The day is dark and gloomy, unsettled and uncertain, like the condition of our country, in regard to the unnatural war with Mexico . . . How did we unhappily get involved in this war? It was predicted as the consequence of the annexation of Texas to the United States . . . Thus the war commenced, and the President after having produced it, appealed to Congress. A bill was proposed to raise 50,000 volunteers, and in order to commit all who should vote for it . . . This is no war of defence, but one unnecessary and of offensive aggression. It is Mexico that is defending her fire-sides, her castles and her altars, not we."

IS THIS VOICE IN SUPPORT OF THE WAR OR AGAINST IT?

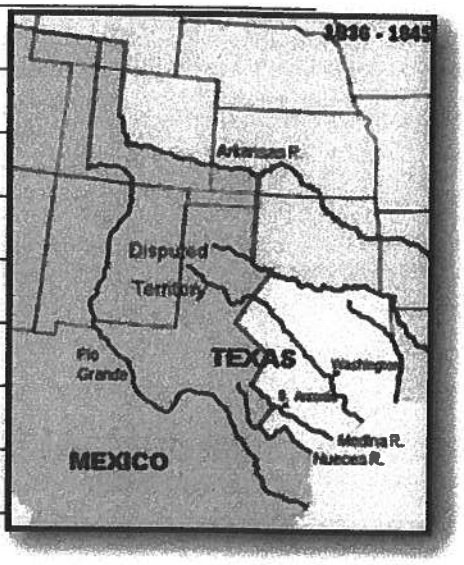
CAN YOU REPHRASE WHAT THIS PERSON IS SAYING?

Name _____ Period _____

Causes of the Mexican-American War: A Mini DBQ!

Directions: Use what you just learned and finish the statement below:

The United States went to war with Mexico in 1846. This war was sparked over a border dispute between the United States and Mexico over the southern border of Texas. Just where did Texas end and Mexico begin? The United States claimed the southern border of Texas was the Rio Grande River, however Mexico believed the southern border of Texas was the Nueces River. However, this is only the spark that led to this bloody conflict. There are many other issues that caused this war...



Summer Packet for
Eighth Grade Students

Science

Enclosed:
Periodic Table of Elements Worksheets
Scientific Method Worksheet

Please complete and return your packet to your sixth grade teacher on the first day of school.

Name: _____

Date: _____

School: _____

It's SUMMER!

Name_____

Directions: Use the Periodic Table of Elements to find the element that corresponds to the *atomic number* of each line below. Write the element's symbol on the line to create a summer word.

Things We Love About Summer

1. ___ ___ ___ ___ ___ ___ 
   9 53 75 9 3 99

2. ___ ___ ___ ___ ___
   5 18 4 29 99

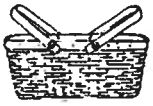
3. ___ ___ A ___ ___ A ___ ___
   8 58 7 74 23 99

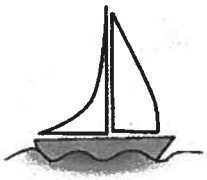
4. ___ ___ ___ ___ ___ ___
   23 89 85 53 8 7

5. ___ ___ ___ ___ ___ T ___ ___ ___ ___
   53 58 6 75 95 44 6 19 16

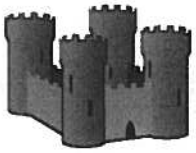
6. ___ ___ ___ ___ E
   87 53 16 4

7. ___ ___ ___ G ___ ___ ___ T ___
   56 90 49 16 92 53 16

8. ___ ___ ___ ___ ___ 
   15 53 6 28 55

9. ___ A ___ ___ ___ G 
   16 53 3 7

10. ___ ___ ___ ___ G ___ ___ E ___ ___
    15 57 39 49 49 90 67 34

11. ___ A ___ ___ ___ ___ E ___ 
    16 60 6 33 81 16

12. ___ ___ ___ ___ G
    6 95 15 49

13. ___ ___ ___ ___ ___ ___ ___
    9 3 15 114 8 15 16

14. ___ ___ X ___ G
    75 57 49

15. ___ ___ ___ R ___ ___ ___ J ___ L ___
    9 8 92 90 8 9 92 39

16. ___ ___ T DA ___ ___ ___ ___ ___ ___ L
    57 16 39 8 9 21 67 8

17. ____ ____ R ____ E ____ ____ G
16 102 19 3 7

18. DA ____ E ____ ____ ____ ____
60 3 8 7 16

19. ____ ____ ____ ____ ____
83 6 39 17 99

20. ____ ____ ____
20 102 99

21. ____ ____ ____ I ____ ____ ____ ____ ____ ____ ____
9 95 53 39 75 92 28 8 7 16

22. ____ ____ MM ____ ____ ____ ____
16 92 68 6 95 15

23. ____ ____ ____
4 89 1

24. ____ ____ ____ ____ ____ R ____ ____
9 53 75 74 8 19 16

25. ____ ____ L ____ ____ ____ ____
84 8 15 18 22 99

26. ____ ____ G ____ ____ D ____
3 26 92 18 16

27. D ____ ____ ____ G ____ ____ ____ ____
53 23 49 5 8 18 110

28. ____ ____ ____ ____ ____
5 92 111 68 16

29. ____ ____ ____ ____ T G ____ ____ ____
87 99 1 29 88 16 16

30. ____ ____ ____ ____
34 33 67 75

Summer Things We Might Do Without!

Directions: Below are several elements in a series. Write their symbols to create a word or phrase.

31. Boron – Lithium – Sulfur – Tellurium – R – Indium – G Helium – Astatine

32. Polonium – Iodine – Sulfur – Oxygen – Nitrogen Iodine – Vanadium – Yttrium

33. Sulfur – Uranium – Niobium – Uranium – Radon – Sulfur

34. Hydrogen – Uranium – M – Iodine – D – Iodine – T – Yttrium

Periodic Table of the Elements

Hydrogen 1 **H** 1																	Helium 2 **He** 4
Lithium 3 **Li** 7	Beryllium 4 **Be** 9											Boron 5 **B** 11	Carbon 6 **C** 12	Nitrogen 7 **N** 14	Oxygen 8 **O** 16	Fluorine 9 **F** 19	Neon 10 **Ne** 20
Sodium 11 **Na** 23	Magnesium 12 **Mg** 24											Aluminium 13 **Al** 27	Silicon 14 **Si** 28	Phosphorus 15 **P** 31	Sulphur 16 **S** 32	Chlorine 17 **Cl** 35	Argon 18 **Ar** 40
Potassium 19 **K** 39	Calcium 20 **Ca** 40	Scandium 21 **Sc** 45	Titanium 22 **Ti** 48	Vanadium 23 **V** 51	Chromium 24 **Cr** 52	Manganese 25 **Mn** 55	Iron 26 **Fe** 56	Cobalt 27 **Co** 59	Nickel 28 **Ni** 59	Copper 29 **Cu** 64	Zinc 30 **Zn** 65	Gallium 31 **Ga** 70	Germanium 32 **Ge** 73	Arsenic 33 **As** 75	Selenium 34 **Se** 79	Bromine 35 **Br** 80	Krypton 36 **Kr** 84
Rubidium 37 **Rb** 85	Strontium 38 **Sr** 88	Yttrium 39 **Y** 89	Zirconium 40 **Zr** 91	Niobium 41 **Nb** 93	Molybdenum 42 **Mo** 96	Technetium 43 **Tc** [98]	Ruthenium 44 **Ru** 101	Rhodium 45 **Rh** 103	Palladium 46 **Pd** 106	Silver 47 **Ag** 108	Cadmium 48 **Cd** 112	Indium 49 **In** 115	Tin 50 **Sn** 119	Antimony 51 **Sb** 122	Tellurium 52 **Te** 128	Iodine 53 **I** 127	Xenon 54 **Xe** 131
Caesium 55 **Cs** 133	Barium 56 **Ba** 137	Lutetium 71 **Lu** 175	Hafnium 72 **Hf** 178	Tantalum 73 **Ta** 181	Tungsten 74 **W** 184	Rhenium 75 **Re** 186	Osmium 76 **Os** 190	Iridium 77 **Ir** 192	Platinum 78 **Pt** 195	Gold 79 **Au** 197	Mercury 80 **Hg** 201	Thallium 81 **Tl** 204	Lead 82 **Pb** 207	Bismuth 83 **Bi** 209	Polonium 84 **Po** [209]	Astatine 85 **At** [210]	Radon 86 **Rn** [222]
Francium 87 **Fr** [223]	Radium 88 **Ra** [226]	Lawrencium 103 **Lr** [262]	Rutherfordium 104 **Rf** [261]	Dubnium 105 **Db** [262]	Seaborgium 106 **Sg** [266]	Bohrium 107 **Bh** [264]	Hassium 108 **Hs** [269]	Meitnerium 109 **Mt** [278]	Darmstadtium 110 **Ds** [281]	Roentgenium 111 **Rg** [282]	Copernicium 112 **Cn** [285]	Nihonium 113 **Nh** [286]	Flerovium 114 **Fl** [289]	Moscovium 115 **Mc** [290]	Livermorium 116 **Lv** [293]	Tennessine 117 **Ts** [294]	Oganesson 118 **Og** [294]

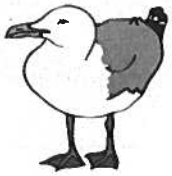
Lanthanum 57 **La** 139	Cerium 58 **Ce** 140	Praseodymium 59 **Pr** 141	Neodymium 60 **Nd** 144	Promethium 61 **Pm** [145]	Samarium 62 **Sm** 150	Europium 63 **Eu** 152	Gadolinium 64 **Gd** 157	Terbium 65 **Tb** 159	Dysprosium 66 **Dy** 163	Holmium 67 **Ho** 165	Erbium 68 **Er** 167	Thulium 69 **Tm** 169	Ytterbium 70 **Yb** 173
Actinium 89 **Ac** [227]	Thorium 90 **Th** 232	Protactinium 91 **Pa** 231	Uranium 92 **U** 238	Neptunium 93 **Np** [237]	Plutonium 94 **Pu** [244]	Americium 95 **Am** [243]	Curium 96 **Cm** [247]	Berkelium 97 **Bk** [247]	Californium 98 **Cf** [251]	Einsteinium 99 **Es** [252]	Fermium 100 **Fm** [257]	Mendelevium 101 **Md** [258]	Nobelium 102 **No** [259]

Summer Science Name_____

Part One Directions: For each problem or question:

1. **Write a possible hypothesis for each scenario. Use an "If... Then..." statement.**
2. **Underline the independent variable once, and the dependent variable twice.**

1. If you wrap your snacks in aluminum foil, will they still be stolen by seagulls at the beach?



2. Does riding a bike with larger tires help you go faster even if you pedal at the same rate?

3. If you burn a citronella candle near your picnic, will it keep mosquitoes away?

4. Does putting sunscreen on an hour before sun exposure lead to less sunburns than putting the sunscreen on immediately before sun exposure?

5. Does pouring vinegar on a jellyfish sting actually take the pain away?

6. Does walking in flip flops lead to more foot injuries than walking in sneakers?

7. Which gets eaten faster, ice cream licked from a cone or ice cream eaten with a spoon?

Part Two Directions: Briefly describe an experiment that could test if each hypothesis is correct or not. Be sure to include some of the controls that would have to be in place to keep the experiment valid. Define the IV (independent variable) and DV (dependent variable).

8. Scientists think that shark attacks are often caused by the sharks mistaking the black and slick wetsuit worn by surfers for a seal, their normal prey. Are sharks more attracted to people in black wetsuits or people not wearing a wetsuit?

   Describe how this could be tested: _____

   _____

   _____

   _____

   _____

   _____

   IV - _____

   DV - _____

9. Will students who spend at least 4 hours outside each summer day be happier than students who spend all day inside glued to a screen?

   Describe how this could be tested: _____

   _____

   _____

   _____

   _____

   _____

   IV - _____

   DV - _____

10. Will flashing a flashlight make fireflies flash their own lights more often?

    Describe how this could be tested: _____

    _____

    _____

    _____

    _____

    _____

    IV - _____

    DV - _____

Religion Summer Assignment

Say the Rosary every day for at least one full week with your family. Then have a parent/Guardian sign off on each day that you say it till you say all seven days. Make sure to go to mass each Sunday too (even when on vacation if possible)!

1. **Monday - Joyful Mysteries**

   Signature:

   _____

2. **Tuesday - Sorrowful Mysteries**

   Signature:

   _____

3. **Wednesday - Glorious Mysteries**

   Signature:

   _____

4. **Thursday - Luminous Mysteries**

   Signature:

   _____

5. **Friday - Sorrowful Mysteries**

   Signature:

   _____

6. **Saturday - Joyful Mysteries**

   Signature:

   _____

7. **Sunday - Glorious Mysteries**

Signature:

_____

Helpful reminders:

Joyful mysteries: 1. Annunciation; 2. Visitation; 3. Nativity; 4. The Presentation of Jesus at the temple; 5. The finding of the child Jesus at the temple

Sorrowful mysteries: 1. The agony in the garden; 2. the scourging at the pillar; 3. the crowning of thorns; 4. the carrying of the cross; 5. The crucifixion

Glorious Mysteries: 1. The Resurrection; 2. The Ascension; 3. The coming of the Holy Spirit; 4. The Assumption; 5. The crowning of Mary

Luminous Mysteries: 1. The Baptism of Jesus; 2. The wedding at Cana; 3. The Proclamation of the Kingdom of Heaven; 4. The Transfiguration; 5. The Institution of the Eucharist

What prayers to say:

On the cross - Apostle's Creed

Large beads - Our Father

Small beads - Hail Mary

Chain (after each grouping of Hail Mary) - "Glory Be" and "Oh My Jesus" prayer

Decorative extra large bead (in the middle that starts the loop) - "Hail Holy Queen" and if possible the "Concluding prayer" and "St. Michael prayer"

*** There are also recordings on spotify, youtube and the Hallow app that you can say the rosary along with if you find that helpful.