

8th Grade Review Packet
South Tattnall Middle School

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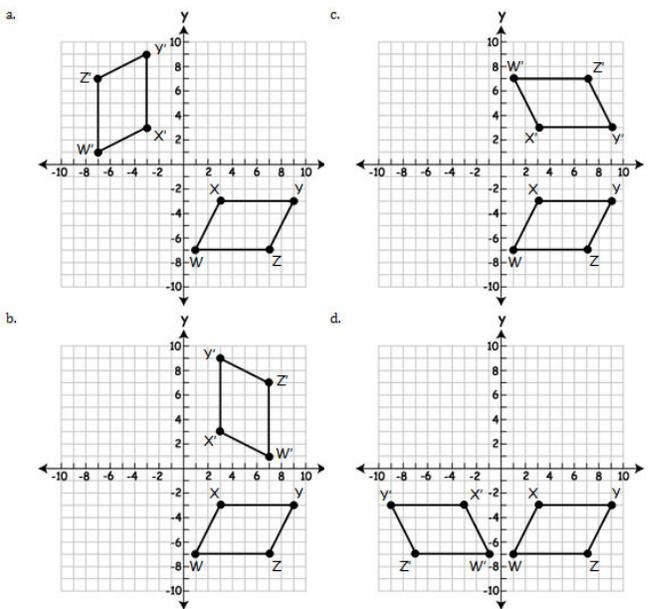
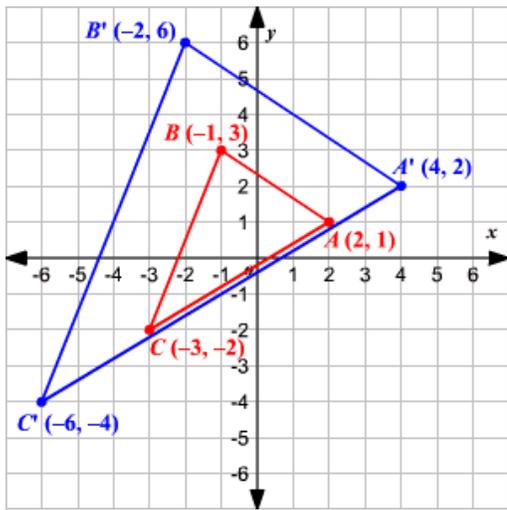
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	Mixed review of all standards covered
	this year.
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	this year.
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	Mixed review of all standards covered
	this year.
29-34	Social Studies
	Mixed review of all standards covered
	this year.

8th Grade Math Review Assignment

<p>1. Lester has a square bedroom. The area of the room is 169 ft^2. What is the length of one side of Lester's bedroom?</p>	<p>2. Simplify the expression shown below. What exponent rule is being applied? $3^2 \bullet 3^{-3}$</p>
<p>3. Describe the solution to the equation below? $14x + 4 = 6x + 36$</p>	<p>4. Solve the following system of equations. (use substitution or elimination method) $x + 4y = 7$ $3x + 12y = 21$</p>
<p>5. To get from point A to point B you must avoid walking through a pond. To avoid the pond, you must walk 34 meters south and 41 meters east. To the nearest meter, how many meters would be saved if it were possible to walk through the pond? (hint: use the Pythagorean Theorem to help solve)</p>	<p>6. A teepee that is shaped like a cone has a diameter of 12 feet and a height of 15 feet. What is the volume of the teepee? Use 3.14 for π.</p>
<p>7. Evaluate the following. $(1.2 \times 10^5)(6 \times 10^6)$</p>	<p>8. What is the fraction form of .656565.....?</p>
<p>9. Which of the following best describes the equation below? How do you know? $y = 2x + 15$</p> <p>a. neither linear or nonlinear b. nonlinear c. linear d. both linear and nonlinear</p>	<p>10. Which set of ordered pairs is NOT A FUNCTION? Why?</p> <p>a. $\{(5,3), (6,3), (7,3), (8,3)\}$ b. $\{(1,6), (8,4), (3,8), (7,1)\}$ c. $\{(2,1), (3,3), (4,6), (2,3)\}$ d. $\{(9,8), (7,6), (5,3), (2,1)\}$</p>

11. Write the linear equations for the lines that are graphed below in slope intercept form. $y = mx + b$



17. What are the **DOMAIN** and **RANGE** of the following relation? How do you know? Is it a function?

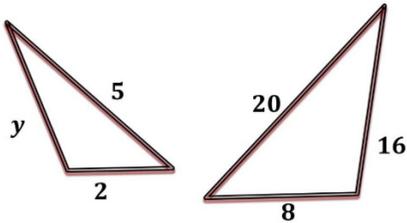
$\{(1,6), (8,4), (3,8), (7,1), (8,5)\}$

18. What is the solution to the following equation?

$$2x + 2x + 2 = 3x + 2 + x$$

- a. no solution
- b. $x = 1$
- c. $x = 0$
- d. infinite solutions

19. Using the similar triangles below determine the value of y . (hint: set up a proportion)



20. Simplify the following using positive exponents.

$$\frac{6^5 a^8}{6^3 a}$$

For numbers 21 through 25, identify if they are rational or irrational. Why?

- 21. $\sqrt{40}$ a. rational b. irrational _____
- 22. $-8.1212\dots$ a. rational b. irrational _____
- 23. $\sqrt{81}$ a. rational b. Irrational _____
- 24. $9.284\dots\dots$ a. rational b. irrational _____
- 25. 6.25 a. rational b. Irrational _____

26. What is the equation of the line that passes through points $(-5,-7)$ and $(1,-1)$?

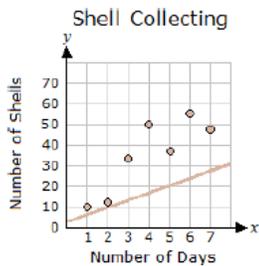
- a. $y = x - 7$
- b. $y = \frac{4}{3}x + 4$
- c. $y = x - 2$
- d. $y = -\frac{4}{3}x + 4$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

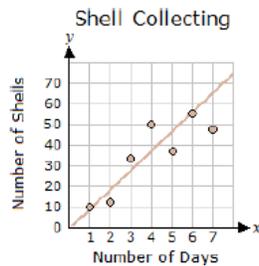
27. Coach Flowers bought a drink for \$2.99, two bags of chips for \$1.29 each, and some gasoline at a convenience store. The price of gasoline was \$2.39 per gallon. If x represents the number of gallons of gasoline he purchased, which of the following equations can be used to find how much Coach Flowers spent at the convenience store?

- a. $y = 2.39x + 5.57$
- b. $y = 5.57x + 2.39$
- c. $y = 4.28x + 2.39$
- d. $y = 2.39x + 4.28$

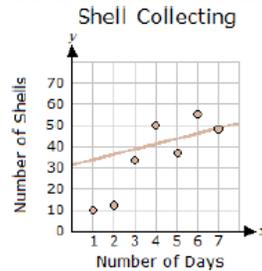
28. Which scatter plot below shows the most accurate line of best fit?



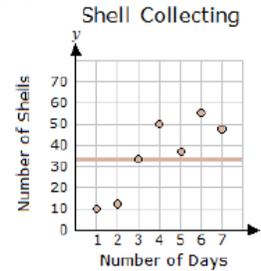
A



B

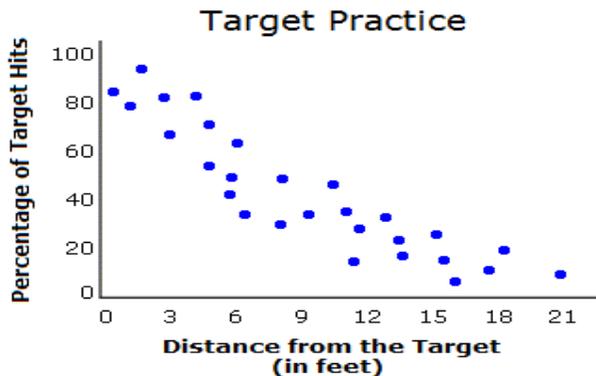


C



D

29. At a children's archery camp, the percentage of target hits at different distances from the target for several students were recorded. The data is shown in the scatter plot below. (MCC8.SP.1; DOK 1)

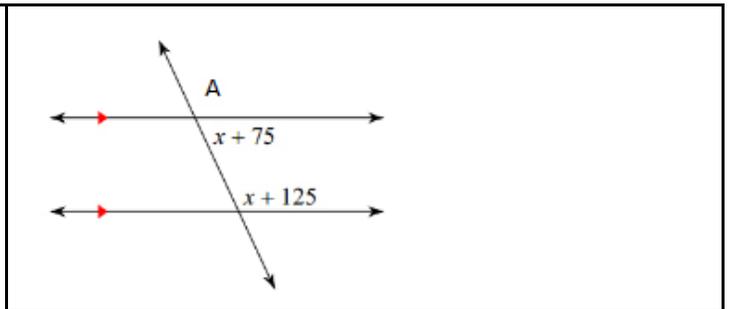
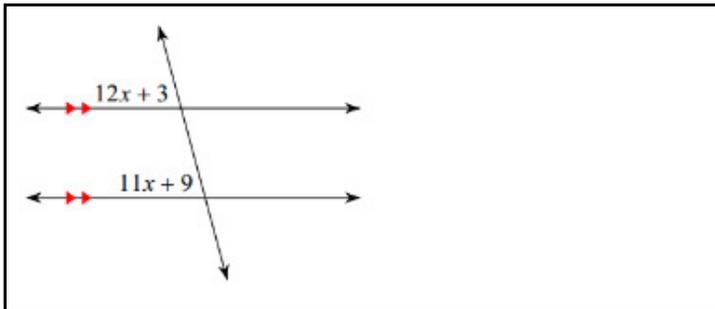


Which of the following can be interpreted from this data?

- A. There is a positive association between the distance from the target and the percentage of target hits.
- B. There is a negative association between the distance from the target and the percentage of target hits.
- C. There is no association between the distance from the target and the percentage of target hits.
- D. There is both a positive and a negative association between the distance from the target and the percentage of target hits.

30. What is the angle relationship shown below? Are they congruent or supplementary? Find the value of x and the angle measures.

31. What is the angle relationship shown below? Are they congruent or supplementary? Find the value of x and the angle measures.



The chart shows the population of some countries in 2000.

32. Write the population of China in standard notation?
 33. What is the **sum** of the populations above written in scientific notation?

COUNTRY	POPULATION
China	1.269×10^9
India	1.003×10^9
United States	2.823×10^8

34. Which is the equation for the following table?

Input	Output
-4	6
-6	10
-8	14

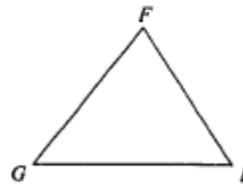
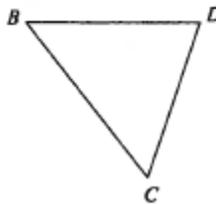
35. Complete the table for $f(x) = 3x - 2$.

x	y
0	
2	
4	

36. Complete the congruence statements below. Add hash marks and curved lines to indicate corresponding sides and angles.

$$\triangle DCB \cong \triangle FEG$$

- $\angle D \cong$ _____ $\underline{DC} \cong$ _____
 $\angle C \cong$ _____ $\underline{CB} \cong$ _____
 $\angle B \cong$ _____ $\underline{BD} \cong$ _____



37. Simplify. $\sqrt{16} + \sqrt[3]{8} =$

38. Simplify the following equation from standard form to slope-intercept form.

$$-30 + y = 5x$$

39. The density of hydrogen is approximately $9 \times 10^{-5} \frac{g}{cm^3}$ while the density of helium is approximately $2 \times 10^{-4} \frac{g}{cm^3}$. Which of the following is true? (hint: when determining how many times larger something is you should divide bigger by smaller)

- The density of hydrogen is approximately 20 times the density of helium.
- The density of helium is approximately 2 times the density of hydrogen.
- The density of hydrogen is approximately 2 times the density of helium
- The density of helium is approximately 20 times the density of hydrogen.

	AA	AAA	Total
Disposable	18	11	29
Rechargeable	7	14	21
Total	25	25	50

40. Miller inventoried the batteries in his house. The two-way table below shows the data he collected. Which correlation does the two-way table suggest?

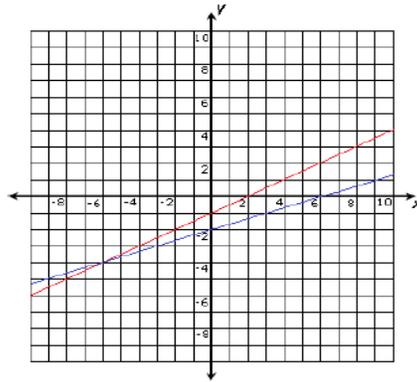
- A. None of the correlations listed are correct.
- B. The rechargeable batteries tend to be AAA.
- C. The disposable batteries tend to be AAA.
- D. The rechargeable batteries tend to be AA.

41. Find the exact volume of a sphere with a radius of 7.8 cm. (Leave in terms of π)

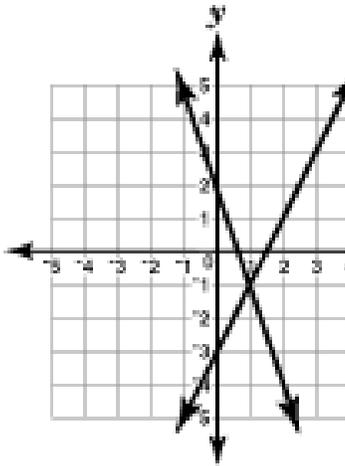
42. What two whole numbers integers is the $\sqrt{10}$ between?

43. What is the solution to the following system of equations?

- a. $x = 6, y = 4$
- b. $x = 6, y = -4$
- c. $x = -6, y = -4$
- d. $x = -6, y = 4$



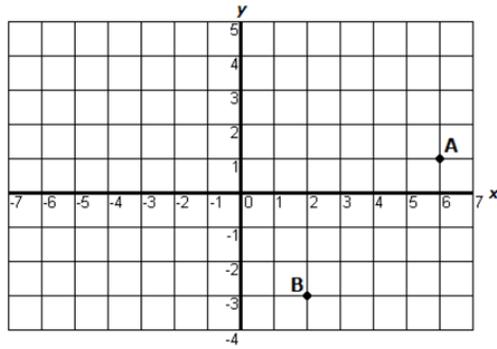
44. The graph below shows the solution to which of the systems of equations?



- A. $y = 2x - 4$
 $y = -2x + 1$
- B. $y = 2x - 2$
 $y = -x + 3$
- C. $y = -3x + 2$
 $y = -3x - 3$
- D. $y = -3x + 2$
 $y = 2x - 3$

following

45. Find the distance between points A and B.



46. What is the solution to the system of equations below?

$$\begin{aligned} -6x + 3y &= -6 \\ 7x - 3y &= 6 \end{aligned}$$

47. The following table depicts a nonlinear function. Justify this statement.

x	-2	0	2	4
y	3	0	5	6

48. Write the following numbers in correct scientific notation and standard notation.

$$\begin{aligned} 42.5 \times 10^7 & \quad \underline{\hspace{2cm}} \quad \underline{\hspace{2cm}} \\ .073 \times 10^{-2} & \quad \underline{\hspace{2cm}} \quad \underline{\hspace{2cm}} \\ .5 \times 10^4 & \quad \underline{\hspace{2cm}} \quad \underline{\hspace{2cm}} \\ 129 \times 10^{-8} & \quad \underline{\hspace{2cm}} \quad \underline{\hspace{2cm}} \end{aligned}$$

49. What is the **SLOPE** of a line that passes through points with coordinates **(-2,-6) and (-4,-5)**?

50. What is the y-intercept for the function represented by the following table?

X	-2	0	2	4	6
Y	3	4	5	6	7

51. Given the following equation, if y is the total cost of a car repair and x is the number of hours it takes to repair the car, explain what the slope and y-intercept represent based on the context of the problem.

$$y = 45x + 50$$

52. Describe the difference between the equations $y = 2$ and $x = 2$? (hint: think about slope and how the lines will look when graphed)

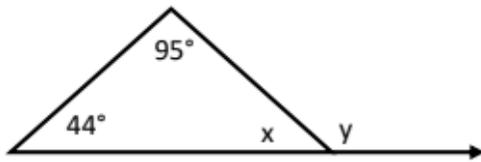
For Questions 53-55, Use the following two-way table. The data represents what type of new vehicle people would prefer. (SP.4 DOK 2)

	SUV	Sports Car	Totals
Male	11	20	31

Female	67	22	89
Totals	78	42	120

53. Using the two-way table above, how many males were surveyed?
54. Using the two-way table above, what is the relative frequency of **males** that prefer a sports car?
55. Of the people who prefer the SUV, what is the relative frequency of females?

56. Find the missing variables. (hint: use the Exterior Angle Theorem)

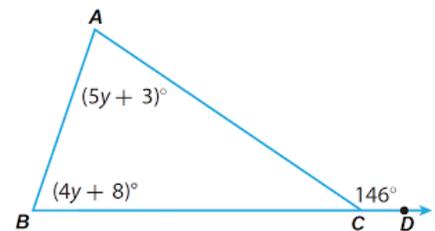


$x = \underline{\hspace{2cm}}$

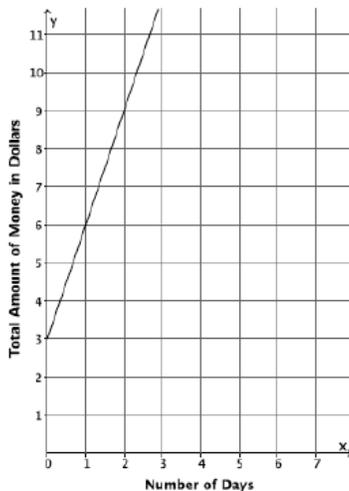
$y = \underline{\hspace{2cm}}$

57. Explain the difference between one solution, no solution, and infinite solutions, **as relates to systems of equations?**

58. Use the Exterior Angle Theorem to find the value of y . Also find the measures of the angles within the triangle.



59. Adam and Bianca are competing to see who can save the most money in one month. Use the table and the graph to answer the following questions: **Who is saving the most money each day? Who started with the most money? After a month (30days), who will have saved the most money?**



Adam's Savings:
Savings:

Input (Number of Days)	Output (Total amount of money in dollars)
5	17
8	26
12	38
20	62

Bianca's

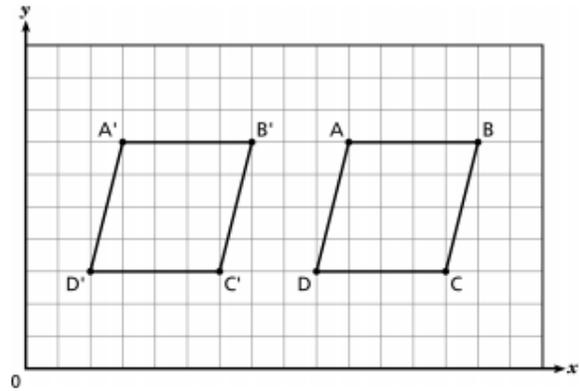
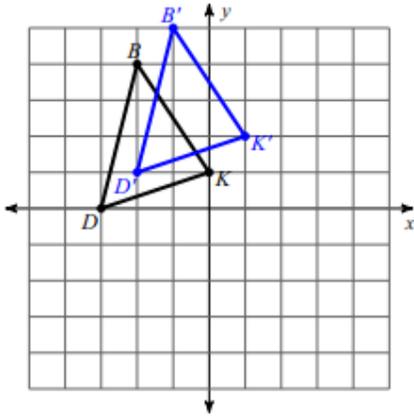
60. How do you determine if an equation is a linear or nonlinear function?

61. Describe the difference between congruence and similarity and explain how each of the geometric transformations relate to the topic. (hint: geometric transformations include translations, rotations, reflections, and dilations)

62. Describe the translation rule used to create the images with words and an algebraic expression.

For example: Translate 2 units left and 2 units down

Translate $(\square, \square) \rightarrow (\square - \square, \square - \square)$



63. Reflect the following across the y-axis.

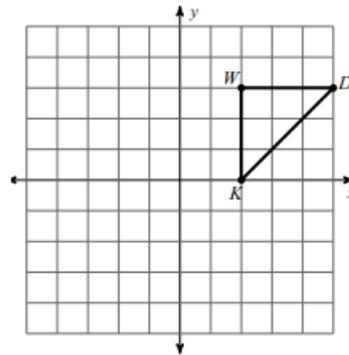
$\triangle ABC$

A (2,7) A' _____

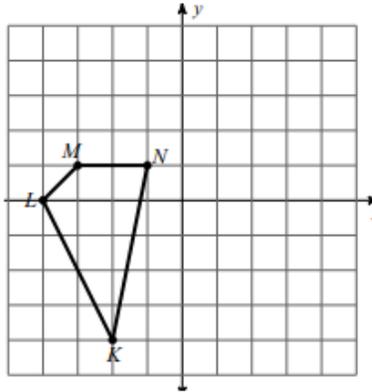
B (5,-1) B' _____

C (-2,0) C' _____

$\triangle WDK$

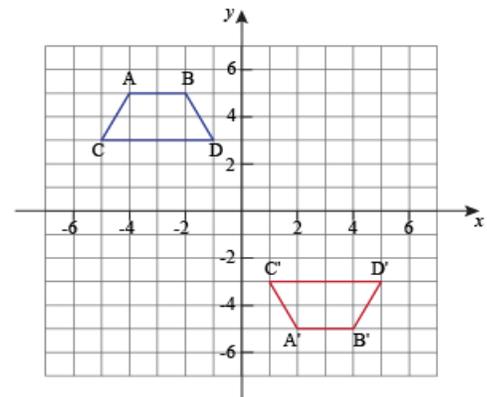


64. Reflect the following across the x-axis.



65. Which series of transformations were applied to Trapezoid ABCD to create Trapezoid A'B'C'D'?

- rotation of 90° clockwise and a translation $(x, y-4)$
- translation $(x+6, y)$ and a reflection over the x-axis
- dilation with a scale factor of 2 and a rotation of 180°
- reflection over the y-axis and a translation $(x, y-4)$



66. Explain the steps needed to solve for the volume of a corn silo like the one shown?



67. Explain the difference between exact and estimated volume.

68. What is the relationship between a cone and a cylinder that have the same height and radius?

69. Simplify the following. Your answer must be expressed with positive exponents.

$$(2^5 x^2)^{-3} \quad (4^2 x^{-3})^2$$

70. What is the range of the function

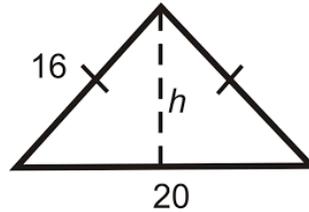
$$f(x) = 2x - 2 \text{ if the domain is } \{-6, -4, -2, 0\}?$$

71. Simplify the following. Your answer must be expressed with positive exponents.

72. Find the height of the following triangle.

$$3^5 \div 3^{-5}$$

$$2^{-3} \cdot 2^3$$



73. What is the relationship between a cone and a cylinder that have the same height and radius?

74. Describe the difference between having a positive, negative, or no correlation. Give an example of each type.

75. How can you tell if two linear equations are parallel without graphing them?

Dear Students,

We miss you very much and hope that you are staying safe and healthy. We want to remind you that these topics are all things we have covered during this school year and you have notes in your OMGs that will help you if you have questions. You may also email us or send us a Remind message if you are struggling with a specific problem. Don't forget that you can login to Clever and work on IXL or USA Test Prep to find guidance on all of the 8th Grade concepts we have studied this year. Khan Academy is also a great FREE resource that includes instructional videos and practice problems for all math concepts. In addition, continue to work on your path in iReady if you have the ability to. Don't hesitate to reach out to us! We would enjoy hearing from you!

Love,

Mrs. Miller and Mrs. Pirie

Mrs. Miller - text 81010 to @672g69 to join my Remind

Mrs. Pirie - text 81010 to @99cgk to join my Remind

8th Grade ELA Review Assignment

Hello, angels! We are really missing you and hope you and your family are doing well! We have prepared questions that we feel will be most beneficial for your review moving forward into the 9th grade. All questions should be accessible to you because all standards have been covered. Please feel free to message us with any questions should they arise.

Altman Remind: text @mrsaltela to 81010

Kennedy Remind: text @kndyela to 81010

Writing Practice

Read the following excerpt about Lava Beds National Monument. Next, write an argument convincing your principal to approve a field trip to Lava Beds National Monument. Include the benefits of such a trip as well as any counterarguments your principal might have regarding the risks. Use details from the article and your own personal experience to support your argument.

Lava Beds National Monument

Tourists are often drawn to the state of California for the interesting sights, both in the big cities and in nature. However, nestled near the California and Oregon state border, a lonely road leads to what some consider California's "best kept secret."

Attracting only 130,000 visitors each year, Lava Beds National Monument pales in comparison to nearby Yosemite National Park, which attracts nearly 4 million people annually. But this "secret" park of volcanic rock and underground caves is full of history and geological wonder. Upon entering the 47,000-acre park, visitors can see why President Calvin Coolidge declared Lava Beds a national monument back in 1925. Many geological features create the mystique of Lava Beds National Monument. Tourists can explore underground lava tubes that look almost like rocky waterslides. They can also take guided tours of the park, hike along scenic trails, climb cinder cones, and learn about the natural volcanoes and high desert in northern California.

The majority of the landscape of Lava Beds National Monument was once covered with lava. The remarkable underground caves, or lava tubes, formed from a variety of volcanic eruptions that occurred over the last half million years.

Over 700 caves have now been discovered hidden in the natural wilderness of the area. Close attention to safety is recommended to anyone exploring these underground wonders. Sturdy shoes, jackets, helmets or "bump hats," knee pads, and flashlights are encouraged. The average temperature inside the caves is only 55 degrees.

The prominent attraction is a two-mile cave loop that provides nearly 20 caves to explore. Visitors do not need a reservation to visit most of the caves. Some caves have high ceilings and smooth floors, making cave exploration seem easy. Others entail bending and crawling through tubes of jagged rock.

Grammar Practice

Active/Passive Voice

Directions: Read each sentence and determine whether it is active voice or passive voice. Circle your response. For numbers 7 - 10, determine if the sentences contain an inappropriate shift. If they contain a shift, correct them below.

- | | | |
|--|------------|---------|
| 1. Samantha reads the book. | active | passive |
| 2. Landon throws the ball. | active | passive |
| 3. Jada asked a question. | active | passive |
| 4. The book is read by Alexis. | active | passive |
| 5. The ball is thrown by Rocio. | active | passive |
| 6. A question is asked by Daniel. | active | passive |
| 7. I love dogs, and a dog was given to me. | shift: yes | or no |
| _____ | | |
| 8. Jrue was hit by a ball, so he threw his glove down. | shift: yes | or no |
| _____ | | |
| 9. Jada asked a question, and I answered it. | shift: yes | or no |

10. I love you, but I am not loved by you. shift: yes or no

Verb Moods

Directions: Read each sentence and determine the verb mood being used (indicative, imperative, interrogative, conditional, subjunctive). For numbers 7 - 10, determine if the sentences contain an inappropriate shift. If they contain a shift, correct them below.

1. Jaaylan enjoys basketball. verb mood: _____

2. Shantasia, can you come here? verb mood: _____

3. Come here, Noah. verb mood: _____

4. If I were queen of the world, you would be a knight. verb mood: _____

5. If Tucker answers correctly, I will give him a jolly rancher. verb mood: _____

6. I wish I were in charge. verb mood: _____

7. I don't like jolly ranchers, so can I have a mint instead? shift: yes or no

8. Stop talking, and sit down. shift: yes or no

9. If you were to answer correctly, you will win. shift: yes or no

10. Come here, and can you bring me that cup? shift: yes or no

Verbals

Directions: In the sentences below, identify the verbals (gerunds, participles, infinitives.) Underline the verbal/verbal phrase and indicate which type of verbal by circling the appropriate response.

1. Running is my father's favorite sport. gerund participle infinitive

2. It is important for him to run every day. gerund participle infinitive

3. He has special running shoes. gerund participle infinitive

4. He likes running in the rain. gerund participle infinitive

5. My mother likes to hike. gerund participle infinitive

6. Hiking is good for building strength. gerund participle infinitive

7. There are many hiking trails near us. gerund participle infinitive

8. She once had a frightening hike near a bear. gerund participle infinitive

- | | | | |
|---|--------|------------|------------|
| 9. I don't like to hike or run. | gerund | participle | infinitive |
| 10. Exercising is not really an activity I enjoy. | gerund | participle | infinitive |

Punctuation to Indicate a Pause/Break

Directions: In the indicated spaces below, put the appropriate punctuation to indicate the pause/break (comma, ellipses, dash).

1. My birthday_____May 17th_____was the day of the 8th grade dance last year.
2. I wanted to ask you about_____nevermind.
3. Sometimes the thought goes through my mind_____Have I upset you?
4. According to the text, "The_____reference was relevant."
5. When I was a young girl_____I loved to read *Nancy Drew* books.
6. At the store, pick up toilet paper_____clorox wipes_____and hand soap.

Reading Practice

Directions: Read the following passages and answer the questions that follow.

**The Invisible Man
H. G. Wells**

The Strange Man's Arrival

¹ The stranger came early in February, one wintry day, through a biting wind and a driving snow, the last snowfall of the year, over the down, walking from Bramblehurst railway station, and carrying a little black portmanteau in his thickly gloved hand. He was wrapped up from head to foot, and the brim of his soft felt hat hid every inch of his face but the shiny tip of his nose; the snow had piled itself against his shoulders and chest, and added a white crest to the burden he carried. He staggered into the "Coach and Horses" more dead than alive, and flung his portmanteau down. "A fire," he cried, "in the name of human charity! A room and a fire!" He stamped and shook the snow from off himself in the bar, and followed Mrs. Hall into her guest parlour to strike his bargain. And with that much introduction, that and a couple of sovereigns flung upon the table, he took up his quarters in the inn.

² Mrs. Hall lit the fire and left him there while she went to prepare him a meal with her own hands. A guest to stop at Iping in the wintertime was an unheard-of piece of luck, let alone a guest who was no "haggler," and she was resolved to show herself worthy of her good fortune. As soon as the bacon was well under way, and Millie, her lymphatic aid, had been brisked up a bit by a few deftly chosen expressions of contempt, she carried the cloth, plates, and glasses into the parlour and began to lay them with the utmost eclat. Although the fire was burning up briskly, she was surprised to see that her visitor still wore his hat and coat, standing with his back to her and staring out of the window at the falling snow in the yard. His gloved hands were clasped behind him, and he seemed to be lost in thought. She noticed that the melting snow that still sprinkled his shoulders dripped upon her carpet. "Can I take your hat and coat, sir?" she said, "and give them a good dry in the kitchen?"

³ "No," he said without turning.

⁴ She was not sure she had heard him, and was about to repeat her question.

⁵ He turned his head and looked at her over his shoulder. "I prefer to keep them on," he said with emphasis, and she noticed that he wore big blue spectacles with sidelights, and had a bush side-whisker over his coat-collar that completely hid his cheeks and face.

⁶ "Very well, sir," she said. "As you like. In a bit the room will be warmer."

⁷ He made no answer, and had turned his face away from her again, and Mrs. Hall, feeling that her conversational advances were ill-timed, laid the rest of the table things in a quick staccato and whisked out of the room. When she returned he was still standing there, like a man of stone, his back hunched, his collar turned up, his dripping hat-brim turned down, hiding his face and ears completely. She put down the eggs and bacon with considerable emphasis, and called rather than said to him, "Your lunch is served, sir."

⁸ "Thank you," he said at the same time, and did not stir until she was closing the door. Then he swung round and approached the table with a certain eager quickness.

1) 'As soon as the bacon was well under way, and Millie, her lymphatic aid had been brisked up a bit, by a few deftly chosen words of contempt, she carried the cloth, plates, and glasses into the parlour and began to lay them with the utmost eclat.' What does the term lymphatic mean as it is used in the sentence?

- A) sluggish
- B) cheerful
- C) energetic
- D) relating to a lymph node

2) The stranger came early in February, one wintry day, through a biting wind and a driving snow, the last snowfall of the year, over the down, walking from Bramblehurst railway station, and carrying a little black portmanteau in his thickly gloved hand. In this first sentence from the passage, the author MOST LIKELY uses the words biting and driving rather than cold and heavy

- A) to explain why the stranger had arrived in the town.
- B) to add interest to the opening sentence of the passage.
- C) to show how hard it was for the stranger to walk in the snow.
- D) to convey the feeling of the freezing harshness of the winter weather.

3) What inference can you make from this passage?

- A) The stranger was wounded on the train.
- B) The stranger is a relative of Mrs. Hall.
- C) The stranger has visited Mrs. Hall before.
- D) The stranger does not want his appearance revealed.

PAIRED PASSAGES:

Henry W. Grady & Reconstruction
Celestine Sibley & Frederick Douglass

Henry W. Grady was a white writer and editor for a prominent Georgia newspaper during the late 19th century. Frederick Douglass was a former slave who became a well-known abolitionist and author. In the following articles, you will read about their opinions on the reconstruction of the South after the Civil War.

"Henry W. Grady"
By: Celestine Sibley
from Peachtree Street, USA □

"I attended a funeral once in Pickens County in my State. ...It was a poor one-gallus fellow. ...They buried him in the midst of a marble quarry; they cut through solid marble to make his grave; and yet a little tombstone they put above him was from Vermont. They buried him in the heart of a pine forest, and yet the pine coffin was imported from Cincinnati. They buried him within touch of an iron mine, and yet the nails in his coffin and the iron in the shovel that dug his grave were imported from Pittsburgh. They buried him by the side of the best sheep-grazing country on earth, and yet the wool in the coffin bands and the coffin bands themselves were brought from the North. The South didn't furnish a single thing on earth for that funeral but the corpse and the hole in the ground. ... They buried him in a New York coat and a Boston pair of shoes and a pair of breeches from Chicago and a shirt from Cincinnati, leaving him with nothing to carry into the next world to remind him of the country in which he lived and for which he fought for years, but the chill blood in his veins and the marrow in his bones."

Atlantans are extremely fond of that quote. It finds its way into print in one form or another at least once a year. ... To understand the message's appeal for Atlantans, the stranger needs to know about the man who spoke it on a December day twenty-nine years after the Civil War.

He was Henry Woodfin Grady, the ardent young editor of the Atlanta Constitution who first wrote and then, blossoming into an orator of renown, spoke of a New South - a region where old enmities were forgotten, where resources in men and land would be expended on something besides those one-drop despots, cotton and tobacco. He preached that economic betterment was the key to all the South's problems and that "waving the bloody shirt" and nursing old hostilities were profitless gestures. He visualized for that New South "her cities vast hives of industry, her countryside the treasures from which their resources were drawn, her streams vocal with whirring spindles."

Mr. Grady came to the Constitution by way of the University of Georgia in his native Athens, the University of Virginia and work on two or three other papers, including the New York Herald. ... His friend and associate on the paper, Joel Chandler Harris, author of the Uncle Remus stories, was to write of him after his death: "His gift of expression was something marvelous."...

Mr. Grady used these talents to plead constantly for a healing of the breach between the North and the South and to work to bring

the three "I's" - investors, industries, immigrants - to the depleted lands of his Confederate father, who was killed at Petersburg. Atlanta's four railroads were overtaxed by 1879 and Mr. Grady became fascinated by the prospect of bringing in new railroads. He visited the railroad centers, made friends with the railroad barons of the day, and spent the winter of 1880-81 in New York writing and trying to interest northern capital in the South.

"I am firmly convinced that as soon as the South is firmly planted on her platform of liberation and progressive development and her position is well understood," he wrote back to the Constitution, "we shall see northern capital seeking southern investment with eagerness and the stream of immigration turned toward Georgia."

Mr. Grady's first major and most famous out-of-state speech was delivered in December 1886 at the banquet of the New England club in New York. He began with an alleged quote from Senator Ben Hill. "There was a South of slavery and secession - that South is dead. There is a South of union and freedom - that South, thank God, is living, breathing, growing every hour."

That speech, later called the New South speech, established Grady as an orator and as a "great pacificator" ...

"Reconstruction"
By: Frederick Douglass
from Atlantic Monthly 18 (1866): 761-765

Without attempting to settle here the metaphysical and somewhat theological question (about which so much has already been said and written), whether once in the Union means always in the Union,—agreeably to the formula, Once in grace always in grace,—it is obvious to common sense that the rebellious States stand to-day, in point of law, precisely where they stood when, exhausted, beaten, conquered, they fell powerless at the feet of Federal authority. Their State governments were overthrown, and the lives and property of the leaders of the Rebellion were forfeited. In reconstructing the institutions of these shattered and overthrown States, Congress should begin with a clean slate, and make clean work of it. Let there be no hesitation. It would be a cowardly deference to a defeated and treacherous President, if any account were made of the illegitimate, one-sided, sham governments hurried into existence for a malign purpose in the absence of Congress. These pretended governments, which were never submitted to the people, and from participation in which four millions of the loyal people were excluded by Presidential order, should now be treated according to their true character, as shams and impositions, and supplanted by true and legitimate governments, in the formation of which loyal men, black and white, shall participate.

It is not, however, within the scope of this paper to point out the precise steps to be taken, and the means to be employed. The people are less concerned about these than the grand end to be attained. They demand such a reconstruction as shall put an end to the present anarchical state of things in the late rebellious States,—where frightful murders and wholesale massacres are perpetrated in the very presence of Federal soldiers. This horrible business they require shall cease. They want a reconstruction such as will protect loyal men, black and white, in their persons and property; such a one as will cause Northern industry, Northern capital, and Northern civilization to flow into the South, and make a man from New England as much at home in Carolina as elsewhere in the Republic. No Chinese wall can now be tolerated. The South must be opened to the light of law and liberty, and this session of Congress is relied upon to accomplish this important work.

The plain, common-sense way of doing this work, as intimated at the beginning, is simply to establish in the South one law, one government, one administration of justice, one condition to the exercise of the elective franchise, for men of all races and colors alike. This great measure is sought as earnestly by loyal white men as by loyal blacks, and is needed alike by both. Let sound political prescience but take the place of an unreasoning prejudice, and this will be done.

4) With which of these would both Grady and Douglass MOST LIKELY agree?

- A) The North needs to reopen railroads to the South.
- B) The South needs the help of the North to rebuild.
- C) The South needs to be more welcoming to Northerners.
- D) The North needs to isolate the South for its rebellion.

5) How is Grady's love for the South reflected in the article?

- A) He recalls events from the region's past.
- B) He is optimistic about the region's future.
- C) His quote describes the beauty of the region.
- D) His quote lists all of the things made in the region.

6) Frederick Douglass was a former slave. How are his feelings about slavery reflected in the article?

- A) He encourages Congress to punish the South.
- B) He describes what it was like to be a slave.
- C) He calls for an end to violence between the races.
- D) He discusses the reasons that slavery lasted so long.

7) How does the first article reflect Grady's Southern heritage?

- A) It says that his father was a Confederate.
- B) It mentions his hometown of Athens, Georgia.

- C) It talks about his hopes for the future of the South.
- D) It explains that he was the editor of the Atlanta Constitution.

An excerpt from Frankenstein (Chapter 16) by Mary Shelley

When night came I quitted my retreat and wandered in the wood; and now, no longer restrained by the fear of discovery, I gave vent to my anguish in fearful howlings. I was like a wild beast that had broken the toils, destroying the objects that obstructed me and ranging through the wood with a stag-like swiftness. Oh! What a miserable night I passed! The cold stars shone in mockery, and the bare trees waved their branches above me; now and then the sweet voice of a bird burst forth amidst the universal stillness. All, save I, were at rest or in enjoyment; I, like the arch-fiend, bore a hell within me, and finding myself unsympathized with, wished to tear up the trees, spread havoc and destruction around me, and then to have sat down and enjoyed the ruin.

8) Which BEST describes the narrative elements in this excerpt?

- A) The author uses rhyming, rhythmic words to highlight the setting in this scene.
- B) The author conveys the character's feelings of rage and isolation through the character's own actions and thoughts.
- C) Foreshadowing is the narrative element used to introduce the dramatic tension between the character and the archfiend.
- D) The direct characterization tells readers exactly what the character is like: hilarious, likable, and fun.

Kunal's older sister, Amira, dropped off her Great Dane, Baxter, on Friday evening before heading to a conference in the city. Although Amira was anxious, Kunal assured her there was nothing to worry about—after all, it couldn't be that hard to babysit a dog for the weekend.

While Kunal was putting away the dog's things, Baxter had managed to chew his dad's briefcase. Unsure of how he'd explain the wet, mangled briefcase to his dad, Kunal decided to take Baxter for a walk. The walk was uneventful until Baxter spotted another dog and took off after it, dragging Kunal along with him. When Kunal regained control of Baxter, they were both covered in grass and dirt. Kunal let out a groan, realizing that he'd have to give the dog a bath.

After bathing and feeding Baxter, all Kunal wanted to do was relax and watch television alone. Unfortunately, he found the huge Great Dane sprawled out on the living room couch, looking up at him with big sorrowful eyes. Kunal sighed and sat down next to the dog—if he _____ that Baxter would be this much trouble, he would have asked Amira to find alternative pet care.

9) What is the effect of the description of Baxter's eyes in the third paragraph?

- A) It emphasizes the main conflict.
- B) It creates a feeling of sympathy.
- C) It foreshadows Kunal's final thoughts.
- D) It reveals Kunal's feelings about the dog.

Battling Cancer: One Woman's Journey Tracy Wilson

¹ Julianne had never given much thought to cancer before one dismal Monday morning last April. The dawn clouds were gray and heavy, and it looked as though it might rain at any second as Julianne meandered to the mailbox at the end of the lawn. As she opened the box, the rusty hinge made a screech much like someone scraping fingernails across a blackboard. The news Julianne received in a postcard that day was much more unnerving. It was simply stated: "Miss Taylor, please call our office to schedule a follow-up appointment as soon as possible. Tests from your annual physical examination have revealed an abnormality." "Abnormality?" Julianne questioned. What kind of abnormality could a 24-year-old woman, who exercised religiously and consumed a healthy diet, possibly have? Within hours she learned the answer to this question only to pose a thousand more in its place.

² Cancer, "the big C," as it is often called. Her doctor felt sure but ordered more tests to confirm his suspicion. While cervical cancer in a woman Julianne's age was rare, her doctor admitted, it certainly was not unheard of in her demographic group. Her doctor explained that this type of cancer is often caused by a common virus that many women do not even realize they have. The human papillomavirus can lead to this type of cancer if a woman's immune system does not fight off the virus in its initial stages. Julianne was devastated. Her doctor began to discuss treatment options and suggested an oncologist specializing in this type of cancer, but Julianne heard very little of what he said. Her head was spinning with questions. Overwhelmed, she wondered how she would break the news to her family and friends.

³ Initially, they would feel the same shock and dismay Julianne experienced after receiving the devastating news. As the shock wore off and cancer became the reality they would be living, they immediately offered tremendous support. Along with her parents and a close friend, Julianne went to the oncologist her doctor had recommended to determine a treatment plan to combat her cancer. The oncologist was optimistic that with a combination of surgery to remove the cancerous cells followed by six chemotherapy treatments to ensure that all of the cells were destroyed, Julianne could overcome this cancer and go into remission. He determined that since Julianne's cancer had been discovered in an early stage of development, perhaps her fertility could also be saved. Julianne had

dreamed of having children ever since she was a child herself, so this news was very encouraging.

⁴ In May, Julianne had an operation to remove the cancerous cells from the lining of her cervix. The surgery to remove the cells was painful in the days immediately following the procedure, but it was the chemotherapy treatments that were the most debilitating. For several days after each of the six treatments, Julianne was unable to get out of bed. The physical pain coupled with the extreme bouts of nausea and vomiting were more than she thought she could bear. While her hair became thin and brittle during the treatments, she did not lose it entirely.

⁵ By autumn, Julianne was looking and feeling much more like herself. In late October, the results of treatment were conclusive; she was in remission. Even though doctors consider Julianne cancer-free, she has made lifestyle changes to prevent the cancer from returning. These changes include increasing the consumption of certain nutrients that have proven to reduce cancer-causing agents from attacking healthy cells in the body.

⁶Lycopene, an amino acid found in abundance in tomatoes and tomato-based products such as tomato sauce and paste, has been proven to be a preventative for many types of cancer. Vitamins and minerals found in green, leafy vegetables such as spinach and broccoli are also rich in cancer preventing antioxidants. Julianne also heeded her doctor's advice to exercise regularly and to engage in activities such as yoga or meditation to help manage stress and keep cancer at bay.

10) Which research source would provide the most bias-free information on foods that help to prevent cancer?

- A) The Vegetarian Newsletter
- B) a book called, "The New Cancer Free Diet"
- C) a website for a nutritional supplement company
- D) A study published by the Mayo Clinic called, "Antioxidants: Do They Help Prevent Cancer?"

11) What evidence does the author provide to demonstrate that the doctor was thorough in his diagnosis of Julianne's medical problem?

- A) Her doctor felt sure but ordered more tests to confirm his suspicion.
- B) Tests from your annual physical examination have revealed an abnormality.
- C) Her doctor began to discuss treatment options and suggested an oncologist specializing in this type of cancer.
- D) Even though doctors consider Julianne cancer free, she has made lifestyle changes to prevent the cancer from returning.

12) What evidence does the author provide to demonstrate that Julianne's doctor was thorough in his diagnosis?

- A) The doctor advised her to exercise regularly.
- B) The doctor discussed treatment options with her.
- C) The doctor ordered more tests to confirm his suspicions.
- D) The doctor performed surgery to remove the cancerous cells.

13) Which statement can be supported by details in the article?

- A) Many doctors do not know how to treat cancer in women.
- B) Cancer is only a problem in developed countries of the world.
- C) Young adults do not need to be concerned about getting cancer.
- D) With early detection and proper treatment, cancer patients have a good chance of survival.

14) Which research source would provide the most accurate information about multiple treatment options for cervical cancer?

- A) an editorial written by a cancer survivor
- B) a documentary on radiation treatment for cervical cancer
- C) an online report about a new experimental treatment for many types of cancer including lung, breast, and ovarian.
- D) a study from Johns Hopkins Research Hospital comparing survival rates for patients receiving different treatment combinations for cervical cancer

**The Junior Representative
Mary McCormick**

Jamal wrote an essay because he really loved the government and knew that one day he wanted a career in the US Congress. Although he put his whole heart and soul into his letter, he had no idea that his essay would win the entire national contest! He wasn't the only winner. Forty-nine other kids across America had also won the chance to visit Washington, DC, for the eighth annual Constitution Conference.

²On the trip, Jamal's official title was "Junior Representative." The kids who got to visit the nation's capital had a very big day in store. The goal of the day was to teach kids the fundamentals of civil service. The organizers had planned a whole day of activities designed to help kids get an idea of how it would be to work in the different branches of government.

³First, all of the kids gathered in a large room made to look like the House floor. There, Jamal and the other winners said the Pledge of Allegiance and learned about the history of the Pledge. Several speakers went to the front of the room and made announcements. Then all of the kids watched and listened as the speakers debated. Some kids, who thought the day would be less educational, said

the debate was monotonous. Jamal, however, enjoyed this exchange of words mostly because one day he wanted to be a great debater. To him, this was one of the best moments of the day.

Another fine show was when several new Americans reenacted their Pledge for Citizenship. Seeing how sincere those people were as they spoke made Jamal realize how lucky he was to be born in the United States.

5After lunch, the junior representatives listened to an author read from her work. Jamal's mom had given him some money to get a souvenir of his big day, and Jamal decided to buy the author's book. When she was done with her presentation, Jamal approached her and asked if she had any copies for sale. The woman gave him a copy for free and even wrote an inscription inside. She wrote, I hope you had a blast during the conference. I wish I had someone as ambitious as you working on my campaign. Jamal was touched by her words. He shook the woman's hand and went back to join the other junior representatives.

When the experience was over and Jamal was back at home, his mother wanted to know all of the details of his adventure. Jamal smiled and showed her the note from the author; he described the debate. Jamal could not stop speaking about all of the fascinating things he had seen during his very first day of government work.

15) In paragraph 2 the word branches means

- A) limbs.
- B) parts.
- C) roads.
- D) turns.

16) Which statement BEST describes the theme of this story?

- A) learning about the world
- B) meeting kids our own age
- C) writing about our experiences
- D) traveling to different countries

17) What does the author mean when she says that Jamal put his whole heart and soul into his letter for the contest?

- A) Jamal wrote a very successful, well-focused, well-supported academically dry paper.
- B) Jamal put a lot of energy, effort, personal commitment and emotion into his letter for the contest.
- C) Jamal wrote a very clever, gimmicky, and sarcastic essay that he never meant to be taken literally.
- D) Jamal wrote a dry, informational essay filled with facts, data, and statistics to support his argument.

18) Catherine is a student who read about Jamal's experience. She expressed a strong opinion that Jamal enjoyed every bit of his special day as a junior representative. Which is the BEST example from the text that supports Catherine's opinion?

- A) The kids who got to visit the nation's capital had a very big day in store.
- B) Another fine show was when several new Americans reenacted their Pledge for Citizenship.
- C) Jamal, however, enjoyed this exchange of words mostly because one day he wanted to be a great debater.
- D) Jamal wrote an essay because he really loved the government and knew that one day he wanted a career in the US Congress.

19) According to paragraph 2 fundamentals are

- A) basics.
- B) jokes.
- C) possessions.
- D) requirements.

Video Games—Play On Zachary Felton

Video games pull players into worlds they could never imagine. In these worlds, players become top athletes, animated characters, alien commanders, and so on. So, if video games use so much imagination, why do people look down on them? News reports today often talk about the bad effects of video games. For example, some blame video games for making children more violent. Others blame them for causing children to sit in front of the television, instead of getting exercise. While such claims may hold some truth, not all video games are bad. In fact, some actually have great benefits.

Playing video games on every platform, from large computer displays to handheld devices or even cell phones, improves thinking skills, reaction time, and hand-eye coordination.

Research has shown that playing video games is good for players' minds. Video games improve players' thinking skills. A researcher from one study said, "It's difficult to find kids who earn poor grades but who do well in video games." Video games challenge players to recognize patterns and think to survive in the game. Players must use their brains to plan their next move to avoid losing the game.

Even simple games seem to boost brainpower. For example, the goal of one popular game is to arrange falling blocks into a solid wall. When the game begins, the blocks drop at a slow pace, giving the player plenty of time to put them in the correct place. As the

player gets better at arranging the blocks, the game starts dropping them at a faster rate. The player must speed up his or her thinking to reach the next level of the game.

Video games help to improve players' reaction time. Reaction time is the time it takes for a person's body to respond to something. It is important in many sports and day-to-day activities. For example, suppose your mom makes you a cup of hot chocolate. You touch the hot cup and pull your hand away quickly. That is reaction time—the time it takes your mind to tell your hand to pull away from the hot cup. Because video games move at such a fast pace, people who play them improve their reaction times. In video games involving car races, for example, players face obstacles as they speed toward the finish line. Players must rely on reaction time to avoid hitting anything so they can make it to the end.

Video games also help hand-eye coordination. This coordination involves turning what our eyes see into physical responses, such as guessing where a ball will fall so we can catch it. People with unusually high hand-eye coordination can go into professions where using their hands is important. A recent study of surgeons found that doctors who played video games were a lot faster at performing difficult operations. In addition, surgeons who played video games made fewer mistakes in operations than those surgeons who did not play video games.

Many people are starting to take notice of the benefits of video games. For example, educational computer games are becoming more common in schools as teaching tools. Teachers have found that students enjoy learning through video games. They find the games both fun and educational. This has led to the rise in "edu-tainment," or using educational video games in the classroom to make learning fun. In addition, the U.S. military is now using video games to prepare soldiers for the decision-making skills they will need during combat.

On average, children spend one hour per day playing in video game worlds. It is good to know that this time will help them in the future.

20) Which sentence from the passage does NOT use evidence or reasoning to develop the argument that video games are beneficial for kids?

- A) For example, educational computer games are becoming more common in schools as teaching tools.
- B) In these worlds, players become top athletes, animated characters, alien commanders, and so on.
- C) A researcher from one study said, "It's difficult to find kids who earn poor grades but who do well in video games."
- D) A recent study of surgeons found that doctors who played video games were a lot faster at performing difficult operations.

21) From reading paragraph 5 of the Felton article, a student could conclude that

- A) players should not eat or drink while playing video games.
- B) playing video games can improve skills that are useful in life.
- C) players should limit fast-paced video games to reduce reaction time.
- D) players should limit fast-paced video games to increase reaction time.

22) How does the sentence, "Playing video games on every platform, from large computer displays to handheld devices or even cell phones, improves thinking skills, reaction time, and hand-eye coordination," function to strengthen the argument?

- A) It gives detailed support for one important part of the argument by giving statistical support.
- B) It gives the reader an opposing viewpoint about video games so they can better understand the argument.
- C) It establishes the main points of the argument that the writer will develop over the rest of the passage.
- D) This sentence does not strengthen the argument at all, as it does not have anything to do with the rest of the passage.

23) How does the final sentence of the passage strengthen the overall argument?

- A) It gives the reader an upper limit of video game play that is safe for kids.
- B) It contrasts the previously held belief of the reader that kids should play even more video games.
- C) It validates the average amount of time kids spend playing video games and closes out the argument.
- D) This final line does not strengthen the argument at all, as it does not have anything to do with the rest of the passage.

8th Grade Physical Science Review Assignment (Remember to use your interactive notebook)

<p>1. Based on your understanding of the periodic table, which element has the greatest number of electrons?</p> <ul style="list-style-type: none">a. Uranium (U)b. Sodium (Na)c. Selenium (Se)d. Polonium (Po)	<p>2. Neutrons are found in the nucleus and separate the other particles so that the strong force can hold the nucleus together. Which particles are positively charged and need to be separated so that they don't repel?</p> <ul style="list-style-type: none">a. Electronsb. Neutronsc. Protonsd. Quarks
<p>3. The atomic nucleus is composed of</p> <ul style="list-style-type: none">a. Protonsb. Protons and neutronsc. Protons and electronsd. Protons, neutrons, and electrons	<p>4. Evidence of a chemical change does not include</p> <ul style="list-style-type: none">a. Producing a gasb. Change in colorc. Change in shaped. Change in temperature
<p>5. The periodic table is an arrangement of the chemical elements, ordered by atomic number, into families, and by doing so illustrates the period properties of elements. What trends among the</p>	<p>6. An element of carbon exists in several different forms. Pure carbon can be found in the form of diamonds, coal, and the graphite in your pencil. Which statement concerning carbon is FALSE?</p>

<p>properties of elements are apparent? All but one can apply.</p> <ol style="list-style-type: none"> Solid to gas Reactive to non reactive Metal to metalloid to non metal Increasing number of outer-shell electrons 	<ol style="list-style-type: none"> All carbon atoms have 6 protons All carbon atoms have 6 neutrons All carbon atoms have an atomic mass equal to the number of protons and neutrons. All carbon atoms have an atomic number of 6
<p>7. What is an example of a chemical change?</p> <ol style="list-style-type: none"> Glass melts in a furnace. Liquid water boils into steam. Newspaper decays in a landfill Rain condenses and falls from water to water vapor in a cloud. 	<p>8. The _____ is a point on a sound wave where the wavelengths are pressed together.</p> <ol style="list-style-type: none"> Compression Rarefaction Trough Wavelength
<p>9. Newton's first law of motion tells us that an object will move _____ unless acted on by an unbalanced force.</p> <ol style="list-style-type: none"> In a circle In a straight line With constant acceleration With deceleration until it comes to a stop. 	<p>10. An echo is an example of what type of sound wave?</p> <ol style="list-style-type: none"> Diffraction Interference Reflection Refraction
<p>11. The image below shows two opposite forces acting on an object. What can we say is true about the effect of the forces on the object.</p>  <ol style="list-style-type: none"> It cannot be determined without knowing which force is stronger. It cannot be determined because we don't know where the force is coming from. The forces are unbalanced, and the net force on the cart moves it to the left. The forces are unbalanced, and net force on the cart moves it to the right. 	<p>12. Billy was blowing up some balloons for his sister's birthday party. Sally, his sister, grabbed a balloon and rubbed it on his head. Billy's hair began to stick up in little spikes all over his head. Then Sally took the balloon and put it up against the wall. It stuck in place. "We learned about this in science class," Sally said. Billy's hair stood up and the balloon stuck to the wall because of</p> <ol style="list-style-type: none"> Electromagnetism Static electricity Current electricity A magnetic force field
<p>13. The method of heat transfer from a burner on a stove to the pot is known as</p> <ol style="list-style-type: none"> Conduction Convection Insulation radiation 	<p>14. In order to launch a rocket into space, the upward force of the rocket MUST overcome the force of _____ which is pulling it back to Earth.</p> <ol style="list-style-type: none"> Gravity Friction Magnetism Air resistance

15. Thomas and his friends are helping in a junkyard on the weekend. They are helping push broken down cars to the back of the junkyard. They pushed three cars with different weights. Thomas noticed that he used different amounts of force for each one. The cars were the following weights:

White car: 2,700 pounds

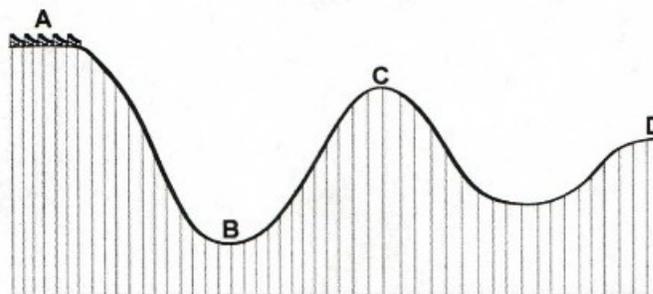
Red car: 1,500 pounds

Blue car: 2,100 pounds

Think about how much force is needed to move each car. Which correctly organizes the cars in order from the most or least amount of force needed to move them?

- White, blue, red
- Blue, red, white
- Red, white, blue
- White, red blue

16. Based on the diagram of a roller coaster below, what statement is true?



- A car at point A has the most kinetic energy.
- A car at point B has the most potential energy.
- A car at point B has more kinetic energy than the car at point D.
- A car at point D has more kinetic energy than the car at point B.

17. Which of these is a mixture?

- Milk
- Salt
- Sulfuric acid
- Carbon dioxide

18. As Jackie pushes box props up the ramp to the stage, the frictional force will _____ her efforts.

- Prevent
- Speed up
- Slow down
- Not affect

19. Air can be considered a mixture. Which statement does not help explain why?

- Air is a homogeneous mixture of components.
- The components of air are not bonded to each other.
- The components of air can be separated by chemical means.
- Physical means can be used to separate the components of air.

20. Which car is accelerating?

- A car that is unmoving
- A car that rounds a curve at a constant speed
- A car that travels in a straight line at a constant speed
- A car that is set to a constant speed of 60 miles per hour

21. What is true about water that is freezing?

- The change cannot be undone
- It is going through a physical change.
- It is going through a chemical change.
- The chemical makeup of the water will not remain the same.

22. Which type of electromagnetic (EM) waves do not need a medium to travel?

- Radio waves
- Sound waves
- X-ray waves
- Gamma Rays

23. As we move through the visible electromagnetic spectrum from left to right, the wavelength _____ and the frequency _____.

24. Sound waves with a large distance between A and B would be sound waves that have a large _____ and produce loud sounds.

Energy

Wavelength [m]

10⁶ 10⁰ 10⁻³ 10⁻⁸ 10⁻¹¹ 10⁻¹³

Radio waves Microwaves IR UV X-rays Gamma-rays

750 700 600 500 400 [nm]

a. Increases, decreases
 b. Increases, increases
 c. Decreases, increases
 d. Decreases, decreases

a. Amplitude
 b. Frequency
 c. Pitch
 d. Resonance

25. Which statement would be the best evidence that heat transfer through radiation has occurred and why?

a. A pan gets hot on a stove. Radiation requires molecule to molecule contact.
 b. On a windy day, you feel colder. This is because more heat is removed from your body.
 c. At several feet from a fire, you still feel the heat. Heat is transferred through the air.
 d. An oven uses fans to heat up the food inside faster. Radiation is the most efficient form of heat transfer.

26. Which of these examples would be classified as a transverse wave?

a. X-ray
 b. Sound Wave
 c. Shock Wave
 d. Sonic Boom

27. Which type of wave would actually slow down when moving from air into the ocean?

a. Sound wave
 b. Light wave
 c. Earthquake wave
 d. Ocean Surface Wave

28. If your shirt is dyed so that it looks violet, what color of light is reflected by the dye?

a. Blue
 b. Indigo
 c. Red
 d. Violet

29. Suppose you are watching a building be demolished down the street. Which statement is true?

a. You would be able to see the demolition, but not hear it.
 b. You would be able to hear the demolition, but not see it.
 c. You would be able to see the demolition before you could hear it.
 d. You would be able to hear the demolition

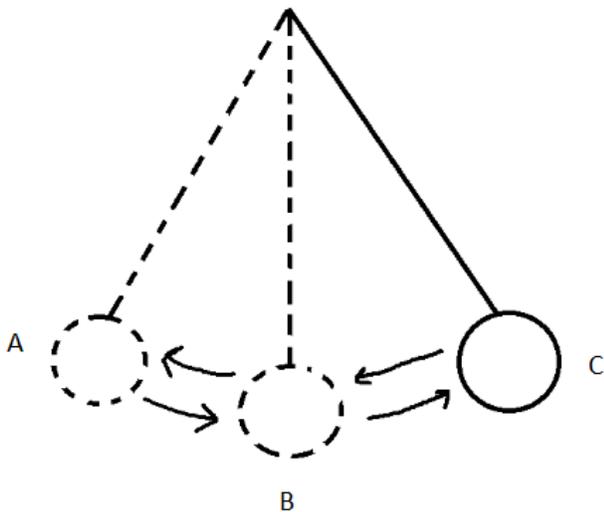
30. Some common substances used in the lab are listed in the table. The chemical formula of the substances are also listed beside their name. How many of the listed items are elements?

Hydrochloric acid (HCl)	Copper (Cu)
Sulfur (S)	Gold (Au)
Quick lime (CaO)	Iron (Fe)
Sodium Chloride (NaCl)	Aluminum (Al)

before you could see it.

- a. 3
- b. 4
- c. 5
- d. 6

31. Which point on the pendulum's swing represents the minimum potential energy?



- a. A
- b. B
- c. C
- d. A & C

32. What do all waves transfer from one place to another?

- a. Water
- b. Matter
- c. Energy
- d. Particles

33. In order to determine the speed of an object, what measurements must be made?

- a. Distance and Direction
- b. Distance and Mass
- c. Time, Distance, and Volume
- d. Distance and Time

34. Through which material would sound waves MOST LIKELY travel the slowest?

- a. Ice
- b. Solid Iron
- c. Liquid Water
- d. Nitrogen Gas

35. Which of these BEST describes a change that occurs in a substance when thermal energy is added to the substance?

- a. The mass of substance increases.
- b. The particles in the substance move faster.
- c. The temperature of the substance decreases.
- d. The particles in the substance settle into a rigid, fixed position.

36. How does removing the iron core from an electromagnet affect the electromagnet?

- a. The electromagnet will produce a weaker magnetic field.
- b. The electromagnet will produce a stronger magnetic field.
- c. A weaker electric current will flow through the electromagnet.
- d. A stronger electric current will flow through the electromagnet.

37. The diagram shows a track for a marble. A student places a marble at point A and releases it. The marble rolls along the track, passing through points B, C, and D.



Part A

At which point along the track does the marble have the MOST kinetic energy?

- a. A
- b. B
- c. C
- d. D

Part B

At which point along the track does the marble have the MOST potential energy?

- a. A
- b. B
- c. C
- d. D

38. Mrs. Kennedy is preparing soup for dinner. She uses a large metal pot to cook the soup. The pot has two metal handles. Mrs. Kennedy is about to lift the pot with both hands when she remembers to use the pot holders to protect her hands. What is she protecting herself from?

- a. Heat transfer by radiation
- b. Heat transfer by convection
- c. Heat transfer by conduction
- d. Heat transfer by evaporation

39. Which of the following BEST describes the difference between speed and velocity?

- a. Speed includes distance and direction while velocity includes only distance.
- b. Speed includes distance and direction while velocity includes only direction.
- c. Velocity includes distance and direction while speed includes only direction.
- d. Velocity includes distance and direction while speed includes only distance

40. Which of the following is true for an earthquake wave, but not for an electromagnetic wave?

- a. It requires matter to transfer energy.
- b. It does not require matter to transfer energy.
- c. It can travel only in a vacuum.
- d. It does not transfer energy.

8th Grade Georgia Studies Review Assignment

SS8H1 Evaluate the impact of European exploration and settlement on American Indians in Georgia.

1. The _____ Indian culture lived in Georgia at the time of European exploration. _____ were a centerpiece of their culture where chiefs lived and religious ceremonies were held. They developed large-scale _____ allowing them to settle and leave behind a nomadic lifestyle.
2. _____, _____, and _____ were the three dominant European powers in the New World.
3. _____ -Desired to find gold, spread the Catholic faith, and build their empire.
4. _____ -Interested in fur trade with the Indians.
5. _____ -Established **mercantilism** in the New World. Many came for religious freedom, a new opportunity, or to find wealth.
6. _____ -Spanish explorer who entered GA and searched the New World for gold.
7. _____ -Largest impact of European exploration on American Indians.

SS8H2 Analyze the colonial period of Georgia's history.

8. _____ -Founder and leader of Georgia's colony. One of 21 trustees.
9. Georgia was founded for 3 primary reasons: _____, giving poor debtors a second chance, _____, establishing **mercantilism** to ship goods back to Britain, and _____, protecting South Carolina from Spanish attack.
10. The **Charter of** _____ granted by **King George II** established Georgia as a colony.
11. **W.R.I.S.T.:** Georgia's earliest products to support its economy were: _____, _____, _____, _____, and _____.
12. _____ -Indian chief who gave _____ to James Oglethorpe as the sight of present day Savannah to establish the colony.
13. _____ -With a Creek Indian mother and a British father, she helped _____ for James Oglethorpe so he could speak with the Indians.
14. **Highland** _____ -were brought to Georgia to help defend the colony and South Carolina from attack. They settle in _____, Georgia.
15. The _____ came from Austria seeking _____ **freedom**. They were known for their hard work and settled in _____.
16. A group of _____ though not allowed according to the charter were allowed to settle in Georgia because **Dr.** _____ was needed to help them with yellow fever that was spreading through the colony.
17. _____ complained of the colony's rules which did not allow _____, _____, or _____. Their constant complaining caused Oglethorpe to give the colony back to Britain before the charter officially expired.

SS8H3 Analyze the role of Georgia in the American Revolutionary Era.

18. The _____ was fought between France and Britain over territory in the Ohio River Valley. The war served as a cause for the American Revolution because it left Britain in tremendous _____ which led to unpopular taxes in the colonies.
19. The _____ of 1763, issued by King George III was another cause of the Revolution due to its unpopularity with the colonists. It said no one could settle land _____ of the Appalachian Mountains to avoid conflict with _____ to avoid another costly war.
20. Georgia was not affected the same as the other colonies because its economy was tied to _____ near the coast and they received more land down to Florida.
21. The _____ of 1765 was another cause of the Revolution when the King placed a tax on a _____.
22. Signed on July 4, 1776, the _____ declared the colonies' independence from Great Britain. It consisted of three parts: the _____ which was the introduction, the _____ which listed the colonies complaints against the King, and the _____ which officially declared freedom from Britain.
23. _____ Gwinnett, Lyman _____, and _____ Walton were the delegates sent to represent Georgia at the Continental Congress.
24. _____ remained faithful to Great Britain and resisted independence while _____ were in favor of breaking away from their mother country.
25. The **Battle of** _____ was an important Patriot victory in Georgia where colonists defeated British soldiers in a surprise ambush attack.
26. The _____ of _____ was a tragic defeat of Patriots trying to regain an important coastal city in Georgia.
27. List at least 4 weaknesses of the Articles of Confederation, America's first Constitution.
-
28. Why did America intentionally write a weak constitution after gaining Independence for Great Britain?
-
29. **Abraham** _____ and **William** _____ were the two delegates sent from Georgia to sign the United States Constitution.
30. The **Great** _____ was a deal reached between small states and large states to balance representation. It created a _____ where each state received 2 members to represent them in Congress and a **House of** _____ where states received a number of members based on the size of their population.
- SS8H4 Explain significant factors that affected westward expansion in Georgia between 1789 and 1840.**
31. The _____ of _____ was established as America's first **state-**_____ institution because of the belief that citizens needed an education in a representative democracy form of government.
32. List Georgia's five capitals in order. _____, _____, _____, _____, and _____.
33. Why did the capital change locations in Georgia? _____
-
34. Why was Atlanta chosen as the current capital of Georgia? _____
-
35. Under the _____ **system** white males were offered free land in Georgia to encourage immigration and settlement in Georgia.
36. The _____ were designed to stop fraud and sell land in Georgia by giving people a chance to purchase land if their name was drawn. This system was put in place when the demand for land

became very high in Georgia due to the discovery of _____ in the _____
region in Dahlonega, GA.

37. The _____ **Land Act of 1795** was passed by corrupt politicians in Georgia selling land to a large land company for an extremely low price. The United States government later took possession of this land which is now _____ **and Mississippi**.

38. The largest impact of the invention of the cotton gin was a dramatic increase in _____ due to the ability to process cotton faster and generate more revenue.

39. The _____ **industry** expanded in Georgia as a means to meet the increased need to transport cotton quicker.

40. **William** _____ was a Creek chief who was killed by his own people for selling off all remaining Creek land in Georgia under the **Treaty of** _____.

41. **John** _____ was the Cherokee Indian chief who fought for his people to remain sovereign as Georgia attempted to force them off their land. Supreme Court Justice **John** _____ ruled in favor of the Cherokee but then president _____ would not enforce the Supreme Court ruling and ultimately forced the removal under the _____ **Act**.

SS8H5 Analyze the impact of the Civil War on Georgia.

42. The two main causes of the Civil War were the issues of **States'** _____ where southern states believed the federal government did not have authority over states and the institution of _____ needed for the increased demand of cotton in Georgia's economy.

43. South Carolina was the first state to invoke the **Doctrine of** _____ claiming they could ignore federal law when the United States government placed tariffs on imported goods.

44. **The Compromise of** _____ added California as a free state and passed the _____ **Slave Act** which promised to return runaway slaves.

45. **The Georgia** _____ said Georgia would follow the Compromise and not secede if the North returned runaway slaves.

46. **The Dred** _____ **Case** was a Supreme Court ruling which allowed slave owners to transport slaves anywhere in the country, even into the north.

47. **The** _____ **of 1860** was the tipping point leading the nation to war when southern states feared the newly elected president, _____ would end the institution of slavery.

48. The Anaconda Plan was the name given to describe the **Union's** _____ of southern coasts attempting to cut off shipping to the outside world.

49. **The Battle of** _____ was an important Confederate victory protecting the city of Atlanta from Northern attack.

50. General Sherman's _____ **Campaign** was an attack on Georgia's capital taking possession of the critical railroad hub for the North. He soon led the _____ **to the Sea** where he devastated Georgia on his way to capturing Savannah.

51. _____ **Prison** was a notorious Confederate prison which housed Union soldiers in terrible conditions.

52. **The** _____ **Proclamation** issued by President Abraham Lincoln declared freedom for all slaves living in states in rebellion against the Union.

SS8H6 Analyze the impact of Reconstruction in Georgia.

53. Which Constitutional amendment gave former slaves the right to vote? _____

54. Which Constitutional amendment granted slaves freedom (abolished slavery)? _____

55. Which Constitutional amendment established the rules for citizenship and provided the establishment clause granting all citizens equal rights? _____

56. **Radical** _____ opposed Lincoln and later Andrew Johnson's plan making it easy on the South to rejoin the Union. These in Congress wanted to force the South to meet certain standards first like passing Constitutional amendments protecting former slaves.

57. **The** _____ was created by the government to help newly freed African Americans during reconstruction by building schools and providing food, medical care, and legal representation.

58. The _____ was a terrorist organization which formed around this time to suppress former slaves gaining freedom.

59. **Black Republican** _____ were forced out of office by Southern Democrats through various false accusations and even violence during Reconstruction.

60. _____ **farming** was a type of farming where men owning their own equipment would work for a more established cotton farmer for very little money.

61. _____ was a type of slavery in the sense that poor white farmers and former slaves were forced to work on a cotton plantation for very little profit because they had to rent equipment, seeds, and a home and pay the farmer after they received a small crop.

SS8H7 Evaluate key political, social, and economic changes that occurred in Georgia during the New South Era.

62. **The** "_____ **South**" was a phrase created by **Henry** _____ to describe Georgia's need to move away from solely agriculture to industry and claim to the world Georgia had changed.

63. **The** _____ **Triumvirate** was a group of three powerful politicians that dominated Georgia politics for nearly 20 years and pushed to industrialize Georgia.

64. **The** _____ **lease system** rented people convicted of crimes to businessmen in Georgia incentivizing the state to convict poor whites and blacks of crimes to force them into labor.

65. **The** _____ **Party** formed during the New South period to speak up for the "forgotten" poor farmer in Georgia. Led by **Tom** _____.

66. **The** _____ **Exposition** was an enormous display of Georgia's cotton and textile industry promoted around the world to bring investment to GA.

67. Former slave, _____ **T. Washington** was the most famous Black civil rights leader of the New South period. He gave the controversial **Atlanta** _____ **Speech** where he called on former slaves to improve economically by working hard at the many economic opportunities rather than fight for equal rights.

68. _____, another prominent civil rights activist disagreed with Washington saying instead they should demand equality.

69. What were Jim Crow laws? _____

70. What was the importance of Plessy v. Ferguson? Homer Plessy lost his case to ride on a "whites' only" train car which led to the establishment of the _____ **but** _____ **doctrine** saying segregation was legal as long as African Americans had an alternative.

71. In what ways did Georgia "disenfranchise" Black voters? (List 3 and explain each)

72. **Alonzo** _____ was a very successful entrepreneur who became Atlanta's first Black millionaire through his barbershop, life insurance company, and real estate investments.

73. **The 1906 Atlanta** _____ started due to false newspaper reports of violence against white women in Atlanta.

74. **Anti-**_____ is hatred and discrimination directed towards Jews.

75. _____ was falsely accused and convicted of killing 13-year-old employee, Mary Phagan, and later hung by an angry mob.

SS8H8 Analyze Georgia's participation in important events that occurred from World War I through the Great Depression.

76. Georgia supported the WWI effort by producing _____, providing _____, and training Soldiers on its five _____ installations.

77. The two major causes of Georgia entering a major depression earlier than the rest of the nation were the _____ which destroyed much of Georgia's cotton crop and **severe** _____.

78. What were the main causes of the Great Depression? _____ where industries produced more than could be sold leading to a sharp decrease in prices and loss of profit,

_____ where Americans wanted to buy more than they could afford often using debt through bank loans, _____ **failures** where financial institutions ran out of money and were forced to closed, and **Black Tuesday** when the _____

Crashed in 1929.

79. **Eugene** _____ was the Georgia governor who strongly opposed Franklin D. Roosevelt's New Deal programs in the state claiming the federal government had no authority inside of Georgia and not wanting programs that would give jobs to blacks in his state.

80. The _____ (**CCC**) provided jobs to young white men doing work like digging irrigation ditches, installing telephone poles, and working in state and national parks.

81. The _____ (**REA**) gave low interest loans to power companies to bring electricity to rural communities.

82. The _____ (**SSA**) provided retirement pay for elderly workers and disability and unemployment pay.

83. The _____ (**AAA**) paid farmers to stop producing certain crops to cut down on overproduction.

84. FDR often visited _____, **Georgia** to seek treatment for his polio.

SS8H9 Describe the role of Georgia in WWII.

85. **The** _____ **Act** was an American attempt to avoid involvement in WWII by supplying billions of dollars in equipment to Europe in exchange for military base rights in their countries.

86. **The** _____ created B-29 planes in Marietta, GA to support the war effort.

87. _____ and _____ **shipyards** built " _____ **ships**" to support the war effort.

SS8G1 Describe Georgia's geography and climate.

88. _____: **Flat-topped** mountains. Georgia's **smallest region** with milder summers and cold winters. Limited amount of agriculture due to poor soil. Coal and limestone support the economy.

89. _____: **long, parallel mountains with valleys** in between. Some farming of corn, soybeans, wheat, and cotton but limited due to soil and amount of land. Economy supported by _____ industry.

90. _____: Highest mountains in Georgia, including the highest peak, Brasstown Bald. Limited agriculture of timber, corn, and apples. **America's first** _____ occurred here. Today, tourism is the main source of their economy.

91. _____: Center of the state characterized by gentle, rolling hills. Economy is largely dominated by industry manufacturing goods and transportation. Georgia's largest cities are here causing the greatest concentration of population.

92. _____: Georgia's **largest region** (60% of state) with flat land. The inner coastal plain is the heartland of _____ in the state growing peanuts, peaches, soybeans,

cotton, Vidalia onions, and pecans. The outer Coastal Plain is Georgia's coastline and depends largely on shipping goods, seafood, and tourism at the beaches..

93. _____-This mountain range makes up the entire northern portion of Georgia covering the Plateau, Valley and Ridge and Blue Ridge region and stretches all the way north to Maine.

94. _____-This line divides the Coastal Plain and Piedmont region and is a sudden change in elevation.

95. _____-An important source of water and **hydroelectricity** for Georgia's cities in the Piedmont region beginning in the Blue Ridge region and **flowing west** to form the Alabama/Georgia border and ending in the Gulf of Mexico.

96. _____-Still important to Georgia's **shipping industry**, this river begins in the Blue Ridge region and **flows southeast** into the Atlantic Ocean ending in Savannah. This river forms the South Carolina/Georgia border.

97. _____-These islands line Georgia's southern coasts and protect Georgia beaches from **erosion** caused by hurricanes and heavy storms.

98. _____-America's largest freshwater _____ is home to over 1000 species of plants and animals and is located in southeast Georgia stretching into Florida.