

GRADE 8
SUMMER
WORK

ELA

social studies

math

GRADE 8 SOCIAL STUDIES SUMMER WORK

My goal for my eighth graders is to refresh their recollections of the map and fine tune their social studies vocabularies with **correct spellings** of the states, as well as major landforms and bodies of water, in the United States.

There will be a U.S. Geography quiz when we return to school in September. Please thoroughly read the study guide below.

Study Guide on U.S. Geography Quiz

1. Political Map

- Identify all 50 states on a blank political map
- Identify the neighbor nations of Canada and Mexico

2. Bodies of Water and Landforms

- Identify the Atlantic Ocean, Pacific Ocean and Gulf of Mexico
- Identify the Mississippi River
- Identify the Great Lakes- Huron, Ontario, Michigan, Erie, and Superior
- Identify Appalachian and Rocky Mountains

Helpful Apps and Links:

For smart phones and iPads: free app- "State the State"

For phones, tablets, or desktops:

https://www.sporcle.com/games/Matt/find_the_states

For laptops and desktops: <http://online.seterra.com/en/vgp/3003>

<https://lizardpoint.com/geography/usa-quiz.php>

The seterra and sporcle games most closely resemble the quiz. You can also print out the blank map below for practice. If you memorize ten states/geographic forms per week, you will easily be finished by summer's end!

 USblankpoliticalmap

8th Grade Social Studies

You will take the U.S. Geography quiz as above, but this year, **SPELLING COUNTS!** **Even if a location is correctly identified, you will not receive any credit for your answer if it is misspelled.**



June 2025

Dear incoming grade 8 Students and Parents,

It's that wonderful time of year again... summer! It is the perfect time to read some great new books! It is very important for you to continue reading this summer. Reading will not only improve your vocabulary and comprehension, but it is a great escape into another world where endless possibilities await. It will also help you prepare for the TACHS exam for entrance to Catholic high school.

You can always email me at jstarzman7211@ndsnet.org with any questions you have.

Wishing you a wonderful summer filled with laughter, fun, and READING! Below you will find your reading assignment that is due September 1, 2025.

See you in September.

Grade 8 MUST read one book from the list below. You will need to fill out a **google form** after you finish reading the book which will be posted in your current ELA google classroom. You can also use this link to the form:

<https://docs.google.com/forms/d/e/1FAIpQLSdX7abiFVMoYc557EXKUmnYbbL4myRSvUJhkrKkJP4xHvhOyA/viewform?usp=dialog>

This is due September 1, 2025.

Grade 8 Summer Reading List

Ender's Game by Card, Orson Scott

Code Orange by Cooney, Caroline B.

Fire from the Rock by Draper, Sharon M

It All Comes Down to This by English, Karen

The Thief Lord by Funke, Cornelia
The Graveyard Book by Gaiman, Neil
The Inquisitor's Tale by Gidwitz, Adam.
Once by Gleitzman, Morris
Football Genius by Green, Tim
Double Identity by Haddix, Margaret Peterson
The Parker Inheritance by Johnson, Varian
Restart by Korman, Gordon
WoodsRunner by Paulsen, Gary
Freak the Mighty by Philbrick, Rodman
Milkweed by Spinelli, Jerry
The Mysterious Benedict Society by Stewart, Trenton Lee
The Running Dream by Vandraanen, Wendelin
I am Malia by Yousafzai, Malia

****If you would like to read a book not on the list, you need to email me for approval.****

Math- Please print out the following math pages and complete. Show all work. It will be collected on the first day of school.

Mrs. Raspen

kraspen7211@ndsnet.org

Math

Concepts, Data Interpretation, and Problem Solving

- Which of the following numbers has the greatest value?
 - 1.4378
 - 1.07548
 - 1.43592
 - 0.89409
- How will the following number be written in standard form: $(1 \times 10^4) + (3 \times 10^3) + (7 \times 10^1) + (8 \times 10^0)$
 - 137
 - 13,078
 - 1,378
 - 8,731
- What is the value of the expression: $7^2 - 3 \times (4 + 2) + 15 \div 5$?
 - 12.2
 - 40.2
 - 34
 - 58.2
- Four people split a bill. The first person pays for $\frac{1}{5}$, the second person pays for $\frac{1}{4}$, and the third person pays for $\frac{1}{3}$. What fraction of the bill does the fourth person pay?
 - $\frac{13}{60}$
 - $\frac{47}{60}$
 - $\frac{1}{4}$
 - $\frac{4}{15}$
- A student gets an 85% on a test with 20 questions. How many answers did the student solve correctly?
 - 15
 - 16
 - 17
 - 18
- If $-3(x + 4) \geq x + 8$, what is the value of x ?
 - $x = 4$
 - $x \geq 2$
 - $x \geq -5$
 - $x \leq -5$

7. What is the value of $x^2 - 2xy + 2y^2$ when $x = 2, y = 3$?

- a. 8
- b. 10
- c. 12
- d. 14

8. If $\sqrt{1+x} = 4$, what is x ?

- a. 10
- b. 15
- c. 20
- d. 25

9. What is the next number in the following series: 1, 3, 6, 10, 15, 21, ... ?

- a. 26
- b. 27
- c. 28
- d. 29

10. The perimeter of a 6-sided polygon is 56 cm. The length of three sides are 9 cm each. The length of two other sides are 8 cm each. What is the length of the missing side?

- a. 11 cm
- b. 12 cm
- c. 13 cm
- d. 10 cm

11. Katie works at a clothing company and sold 192 shirts over the weekend. $\frac{1}{3}$ of the shirts that were sold were patterned, and the rest were solid. Which mathematical expression would calculate the number of solid shirts Katie sold over the weekend?

- a. $192 \times \frac{1}{3}$
- b. $192 \div \frac{1}{3}$
- c. $192 \times (1 - \frac{1}{3})$
- d. $192 \div 3$

12. Which of the following inequalities is equivalent to $3 - \frac{1}{2}x \geq 2$?

- a. $x \geq 2$
- b. $x \leq 2$
- c. $x \geq 1$
- d. $x \leq 1$

13. If $4x - 3 = 5$, then $x =$

- a. 1
- b. 2
- c. 3
- d. 4

14. Which four-sided shape is always a rectangle?

- a. Rhombus
- b. Square
- c. Parallelogram
- d. Quadrilateral

15. A line passes through the point (1, 2) and crosses the y-axis at $y = 1$. Which of the following is an equation for this line?

- a. $y = 2x$
- b. $y = x + 1$
- c. $x + y = 1$
- d. $y = \frac{x}{2} - 2$

16. A company invests \$50,000 in a building where they can produce saws. If the cost of producing one saw is \$40, then which function expresses the amount of money the company pays? The variable y is the money paid and x is the number of saws produced.

- a. $y = 50,000x + 40$
- b. $y + 40 = x - 50,000$
- c. $y = 40x - 50,000$
- d. $y = 40x + 50,000$

17. A rectangle was formed out of pipe cleaner. Its length was $\frac{1}{2}$ feet and its width was $\frac{11}{2}$ inches. What is its area in square inches?

- a. $\frac{11}{4}$ inch²
- b. $\frac{11}{2}$ inch²
- c. 22 inch²
- d. 33 inch²

18. Which of the following represent one hundred eighty-two billion, thirty-six thousand, four hundred twenty-one and three hundred fifty-six thousandths?

- a. 182,036,421.356
- b. 182,036,421.0356
- c. 182,000,036,421.0356
- d. 182,000,036,421.356

19. A solution needs 5 mL of saline for every 8 mL of medicine given. How much saline is needed for 45 mL of medicine?

- a. $\frac{225}{8}$ mL
- b. 72 mL
- c. 28 mL
- d. $\frac{45}{8}$ mL

20. What is the 42nd item in the pattern: $\blacktriangle \circ \circ \square \blacktriangle \circ \circ \square \blacktriangle \dots$?

- a. \circ
- b. \blacktriangle
- c. \square
- d. None of the above

21. For a group of 20 men, the median weight is 180 pounds and the range is 30 pounds. If each man gains 10 pounds, which of the following would be true?

- a. The median weight will increase, and the range will remain the same.
- b. The median weight and range will both remain the same.
- c. The median weight will stay the same, and the range will increase.
- d. The median weight and range will both increase.

22. Five students take a test. The scores of the first four students are 80, 85, 75, and 60. If the median score is 80, which of the following could NOT be the score of the fifth student?

- a. 60
- b. 80
- c. 85
- d. 100

23. Ten students take a test. Five students get a 50. Four students get a 70. If the average score is 55, what was the last student's score?

- a. 20
- b. 40
- c. 50
- d. 60

24. Given the value of a given stock at monthly intervals, which graph should be used to best represent the trend of the stock?

- a. Box plot
- b. Line plot
- c. Line graph
- d. Circle graph

25. A six-sided die is rolled. What is the probability that the roll is 1 or 2?

- a. $\frac{1}{6}$
- b. $\frac{1}{4}$
- c. $\frac{1}{3}$
- d. $\frac{1}{2}$

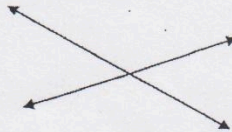
26. What is the solution to $9 \times 9 \div 9 + 9 - 9 \div 9$?

- a. 0
- b. 17
- c. 81
- d. 9

27. A grocery store is selling individual bottles of water, and each bottle contains 750 milliliters of water. If 12 bottles are purchased, what conversion will correctly determine how many liters that customer will take home?

- a. 100 milliliters equals 1 liter
- b. 1,000 milliliters equals 1 liter
- c. 1,000 liters equals 1 milliliter
- d. 10 liters equals 1 milliliter

28. Which of the following statements is true about the two lines below?



- a. The two lines are parallel but not perpendicular.
- b. The two lines are perpendicular but not parallel.
- c. The two lines are both parallel and perpendicular.
- d. The two lines are neither parallel nor perpendicular.

29. Which common denominator would be used to evaluate $\frac{2}{3} + \frac{4}{5}$?

- a. 15
- b. 3
- c. 5
- d. 10

30. An equilateral triangle has a perimeter of 18 feet. If a square whose sides have the same length as one side of the triangle is built, what will be the area of the square?

- a. 6 square feet
- b. 36 square feet
- c. 256 square feet
- d. 1000 square feet

31. The area of a given rectangle is 24 centimeters. If the measure of each side is multiplied by 3, what is the area of the new figure?

- a. 48 cm^2
- b. 72 cm^2
- c. 216 cm^2
- d. $13,824 \text{ cm}^2$

32. Apples cost \$2 each, while bananas cost \$3 each. Maria purchased 10 fruits in total and spent \$22. How many apples did she buy?

- a. 5
- b. 6
- c. 7
- d. 8