GREEN VALE SCHOOL

2026 Summer Work

Entering 7th Grade

Reading: Pages 2-6

Regular Math: Pages 6-12

Honors Math: 13-19

Name: _____

GREEN VALE SCHOOL
Optima Durant

7th Grade Reading Overview

1. Selection from 7th Grade List - Written Report Due August 1 Please select one book from the **7th Grade Book List** and complete the **writing assignment**. Submit by August 1 either via email to Emily Volpe at evolpe@greenvaleschool.org or postal mail to “7th Grade English” at the main GVS address.

2. Book of Your Choice
   Read any book of your choosing and come to school prepared to discuss and write about it.

3. Required Summer Reading book
   Code Talker, Joseph Bruchac. Please read this closer to the end of summer break. You will be discussing this book in your English class when you return in the fall.
   Code Talker is the riveting fictional tale of Ned Begay, a sixteen-year-old Navajo boy who becomes a code talker. His grueling journey is eye opening and inspiring.

7th Grade Book Selection List

Biography

I am Malala, Malala Yousafzai
The Story of the Girl Who Stood Up for Education and was Shot by the Taliban is an autobiographical book by the youngest-ever Nobel Peace Prize laureate Malala Yousafzai.

Fiction

How the Garcia Girls Lost Their Accents, Julia Alvarez
The García family must flee their home in the Dominican Republic after their father helps in a failed attempt to overthrow brutal dictator Rafael Trujillo. They arrive in New York City where their parents try to hold on to their old ways as the girls try to find new lives.

Shakespeare's Secret, Elise Broach
When Hero starts sixth grade at a new school, she is less concerned about the origins of her Shakespearean name than about the teasing that comes from it. But when she learns that there might be a million-dollar diamond hidden in her new house that could reveal something about Shakespeare's true identity, Hero is determined to uncover the mystery.

Thunder over Kandahar, Sharon McKay
Yasmine's parents have moved her to Afghanistan with idealistic hopes of helping to change the oppressive country. Their outsider ways and democratic beliefs attract unwanted attention and put all of their lives in serious danger from the Taliban.

Historical Fiction

The Invention of Wings, Sue Monk Kidd
The Invention of Wings is a fictionalized account of the abolitionist sisters Sarah and Angelina Grimké and the slave Hetty given to Sarah on her 11th birthday.

Monkey Town: The Summer of the Scopes Trial, Ronald Kidd This book takes readers back to 1925 to the famous Scopes Monkey Trial in Dayton, Tennessee. This novel unfolds from the point of view of a 15-year-old girl, a student of John Scopes.

The Prince and the Pauper, Mark Twain
Set in 1537, Twain's first book of historical fiction tells the story of two young boys who are identical in appearance: a pauper who lives with his abusive father in London, and Prince Edward, son of King Henry VIII.

Science Fiction

Life as We Knew It, Susan Pfeffer
When an asteroid hits the Moon and brings it closer to Earth, life in Northeastern Pennsylvania will never be the same again for Miranda and her family, with the lack of food and extreme cold major threats to their survival.

Martian Chronicles, Ray Bradbury
This 1950 story chronicles the colonization of Mars by humans fleeing from a devastated Earth. In this classic work of fiction, Bradbury exposes our ambitions, weaknesses, and ignorance in a strange and breathtaking world where man does not belong.

7th Grade Summer Writing Assignment

Name Section

Date

Title

Author

Publisher_____

Date of publication

Number of pages

Genre

INSTRUCTIONS:

On loose-leaf or on the computer, please answer the following by using complete sentences. Use the Glossary at the end of the questions and the "Elements of Good Writing" list to help explain terms you may not understand.

Attach this sheet to your book review.

1. Describe the setting. What is its significance to the story?
2. From what point of view is this story told? Give a quote to support your claim.
3. What is the story's climax? Why is the climax important?
4. Write a five-sentence characterization for one of the main characters in your book. Be sure to include a topic and closing sentence.
5. What major theme emerges from your book? Support your answer.
6. What questions does the book raise about our world? List three and discuss one in detail.
7. Find one example of vivid imagery and analyze the deeper meaning. (See Glossary on back of page)
8. Explain why you chose this book?
9. On a scale of 1 to 10, how would you rate this book? Explain your answer.

Glossary:

Setting: This is the time, location and circumstances in which the story takes place. Broadly speaking,the setting provides the main backdrop for the story.

Character Traits: words used to describe how characters act during certain situations or what kind ofpeople they are.

Theme: Theme is defined as a main idea or an underlying meaning of a literary work that may be stated directly or indirectly.

Point of View - this is how the work's narrator tells the story. Literary narration can occur from the first-person or third-person point of view. In a novel, the first person is shown when the narrator says, "I saw, We did," etc. A Narrator is writing in the third person when the narrator says, "that happened, the king died", etc.

Elements of Good Writing:

1. **Vivid imagery** - use of adjectives and description to paint a picture in the reader's mind

2. **Characterization** - how the writer creates realistic or interesting characters by giving them specific traits or characteristics.

3. **Conflict-** essential to the plot; the conflict can be any form of struggle the main character faces. Is the conflict or problem that the characters deal within the story interesting? How do the characters deal with the main conflict?

Entering 7th Grade Math Summer Work

1) Zachary was born on a Tuesday, July 23. If Monica was born August 26 of the same year, what day of the week was Monica born? (July has 31 days)

1)_____

2) A blizzard in Rochester lasted from 10p.m. until 7 a.m. the following morning. Two inches of snow fell every 45 minutes. How deep was the snow at 7 a.m?

2)_____

3) On Oak Street the house numbers on one side of the street are odd numbers starting with 1 and go in order up to 55 (1, 3, 5, …). The house numbers on the other side of the street are even numbers starting with 2 and go in order up to 88. (2, 4, 6,…) How many houses are there on Oak Street?

3)_____

4) Noreen is an excellent athlete. In high school she completed in lacrosse, soccer, and tennis. She won 6 more awards in lacrosse than in soccer. She won 1 more award in soccer than in softball. She won 3 more awards in tennis than in softball. Of her 31 awards, ____were for tennis.

4)_____

5) 5! Means $5x\ 4\ x\ 3\ x\ 2\ x\ 1\ =\ 120$. 3! Means $3x\ 2\ x\ 1\ =\ 6$. How much larger is 4! – 3! Than 3! – 2! ?

5)_____

6) Janet bought 7 Match Box cars at $2.59 each. The tax was $1.09. If she paid with a $20 bill, how much change did she receive?

6)_____

7) In a kindergarten class each child is given a blue crayon, a red crayon and the following picture 0Δ[]. Each child is then asked to color each of the shapes either blue or red. (They cannot color any of the three shapes both blue and red). In how many different ways can the children color the picture?

7)_____

8) Choose a number between 4 and 9. Take the number that is 3 more than the number you chose and multiply that number by itself. Take the number that is 3 less than the number you chose and multiply it by itself. Subtract the smaller answer from the larger answer. Divide this number by the number you chose at the beginning of the problem. Your answer is _____

8)_____

9) What is the largest 5-digit number in which the digit is the ten's place is twice the digit in the thousand's place?

9)_____

10) Keyshawn can read 60 pages in an hour and Nyree can read 45 pages in an hour. If both Keyshawn and Nyree start reading at the same time, how many minutes will it take them to read a total of 210 pages?

10)_____

11) Lucille was making fruit baskets. She could put 12 apples in each basket, or she could use smaller baskets and put 10 apples in each basket. Either way there would be no apples left over. Of the following, Lucille could have _____ apples.

a) 80 b) 60 c) 48
d) 40 e)36

11)_____

12) In the locker room at the Asbury Country Club there is a wash cloth and a towel for each member of the club. One day last week they were short 12 wash cloths and had 17 extra towels. That day the number of wash cloths and towels in the locker room totaled 315. How many members are there in the Ashbury Country Club?

12)_____

13) A palindrome is a number that reads the same forward or backward. For example 6, 77, 131, 5115 are all palindromes. Which of the following odometer readings is closest to becoming a palindrome?

a. 85553 b. 124321 c. 35843 d. 36561 e. 36558

13)_____

14) Margaret's garden contains 45 roses and 74 lilacs. Angela's garden has twice as many roses and half as many lilacs. Angela has ____ more flowers in her garden than Margaret has.

14)_____

15)_____

15) Carlos has 5 full containers each containing a gallon. Jordan has 3 full containers each containing a half-gallon. Henry has 3 full containers each containing a quart. Carlos has ____ quarts more than Jordan and Henry have together. (4 quarts = 1 gallon)

16)_____

16) Howie and Stan each have 24 marbles. How many marbles should Howie give Stan so that Stan will have twice as many marbles as Howie?

17)_____

17) I am a two-digit number less than 50. If you put me in groups of 10, then there are 3 left over. The largest possible choice for the sum of my digits is _____.

a) 5 b) 6 c) 7
d) 8 e) 9

18)_____

18) In the addition problem below, different letters represent different digits. Each time the same letter appears, it represents the same digit. The letter X represents the digit_____.

$$\begin{array}{r} XYZ \\ + \; YZYZZ \end{array}$$

a) 3 b) 4 c) 5 d) 6 e) 7

19)_____

19) Al, Ben and Chuck each have a different number of nickels. Each has more than 2 nickels. Together they have 13 nickels. Al has the most number of nickels and Chuck has the least number of nickels. How many nickels does Ben have?

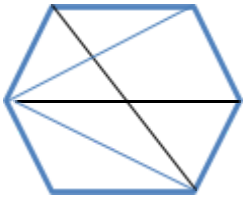
20)_____

20) Six apples cost $1.32. Eleven plums cost as much as 4 apples. What is the cost of 9 plums?

21)_____

21) A long pole sticks 9 feet out of the water. It is also buried 6 feet in the mud below the water. If the pole is 31 feet long, the water is _____ feet deep.

22) How many triangles are there in the figure below? 22)_____



23) Ten boxes, labeled 1 -10, are on a table. The number of pencils in each box is the same as the number of the box (box 1 has 1 pencil; box 2 has 2 pencils, etc.) Mr. Alvarez took half the pencils out of each of the even-numbered boxes. He took 1 pencil out of each of the odd numbered boxes. When he was finished, how many pencils were still in the 10 boxes? 23)_____

24) x and y are two different whole numbers from 1 to 30 (including 1 and 30). What is the largest possible value for the expression ($x + y) - (x - y)$ if x is larger than y? 24)_____

25) Hilary's weight on the planet Jupiter is 7 times her weight on the planet Mercury. Her weight on Earth is 3 times her weight on Mercury. If her weight on planet Jupiter is 210 pounds, how many pounds does she weigh here on Earth? 25)_____

26) At a railroad station there are two tracks, A and B, with trains going to the city. At 7 a.m. a train leaves on each track, at the same time, for the city. From then on, the trains on track A leave every 8 minutes, and those on track B leave every 9 minutes. Mrs. Cortez arrives at the station to 8:25 a.m. and may take either train. How many minutes will she have to wait for the next train going to the city? 26)_____

27) Isabella can pick a bushel of peaches in one hour. Her younger sister, Suzette, takes 2 hours to pick a bushel of peaches. If they work together, how many hours will it take the 2 girls to pick 12 bushels of peaches? 27)_____

28) In the subtraction problem below, different letters represent different digits. Each time the same letter appears it represents the same digit. What number is represented by ABA?

28)_____

$$A\,B\,A \;-\; C\,A\;A\,B$$

29) If you add 7 even numbers and 8 odd numbers your answer would be _____.

29)_____

a) even b) odd c) sometimes even, sometimes odd

30) On the lawn in the park Latonya sees only pigeons and dogs. She knows there are 5 dogs and a total of 32 legs. How many pigeons are on the lawn?

30)_____

31) Pencils are 7¢ each and erasers are 16¢ each. For how much money between 75¢ and a dollar can you buy the same number of pencils as erasers?

31)_____

32) In a 365 day calendar year, there are ___ more odd-numbered days than even- numbered days.

32)_____

33) The book that Rudy chose to read for his book report has 198 pages. He can read 9 pages in 15 minutes, but he takes a 5-minute break every half-hour. Rudy begins reading at 8am. What time that day will he finish reading the 198 pages?

33)_____

34) Juwan gave Jahleel a 20-yard head-start in a race. Juwan can run 3 yards a second while Jahleel can run 2 ½ yards a second. How many yards has Juwan run when he catches up to Jahleel?

34)_____

35) Facing the front of the room, Jordan is 7th in line. When they turn to face the back of the room, Jordan is 9th in line. How many students are in the line (including Jordan)?

35)_____

36) Samuel has 100 marbles. He put the 100 marbles in 5 boxes labeled A, B, C, D, E. Box B had 5 more marbles than box A. Box C had 5 more marbles than box B. Box D had 5 more than box C and box E had 5 more than box D. How many marbles are in box A?

36)_____

37) The population of a town doubles every 15 years. The population of that town was 500 people 30 years ago. What will be the population 30 years from now?

37)_____

38) Aunt Betty planted 24 tomatoes plants. When 1/8 of them died, she planted two more. How many good tomato plants does Aunt Betty have now?

38)_____

39) Mr. Thomas has a hundred dollar bill and 8 ten-dollar bills. Mr. Viquez has 13 ten-dollar bills and 25 five-dollar bills. Mr. Viquez has $____ more than Mr. Thomas.

39)_____

40) The digits 135791357913579….. are written on a screen. If 98 digits can be written on one line, then the last digit on the first line is _____.

40)_____

GREEN VALE SCHOOL

Entering 7th Grade Honors Summer Math

1) Two sides of a triangle have lengths of 7" and 15". If the third side has a length which is also a whole number, then the largest possible perimeter for the triangle would be ___in.

1)_____

2) Two trains pass going in opposite directions. The first is going 60 m.p.h. and a man is walking toward the rear of the train at 5 mph. The second train, going in the opposite direction, is traveling at 80 mph, and a woman is walking toward the rear of her train at the rate of 8 mph from the point of view of the women, the man in the first train is moving at the rate of ____mph.

2)_____

3) In the subtraction problem below, find the product of the 4 digits represented by MATH.

$$\begin{array}{r} 8202 - MATH \\ \hline 4050 \end{array}$$

3)_____

4) If ¾ of a job can be done in 12 days, then working at the same rate, the entire job takes _____days.

4)_____

5) The price of a coat was originally $800. In store A they reduced the price of a coat by 25% and then they deducted another 25% off the reduced price. At store B they just took 50% off the original price of the coat. Mrs. Smith bought the coat in store B and Mrs. Jones bought the coat in store A. Mrs. Smith paid $_____ less for the coat than Mrs. Jones.

5)_____

6) The following is a famous sequence of numbers called the Fibonacci sequence :1, 1, 2, 3, 5, 8, 13, 21, 34, 55, …. It continues indefinitely. Each number is called a term. The 1st term is 1, the 2nd term is 1, the 3rd term is 2, the 4th term is 3, the 7th term is 13, etc. After the 1st two terms, each following term is found by adding the two terms immediately before it (34 was found by adding 13 and 21). Some terms are odd numbers and some terms are even number. The 3rd term, 2, is even and the 4th term, 3 is odd. Of the 45th, 46th, 47th terms, which one is even? 6)_____

7) A large pizza is made in the shape of a rectangle 24" X 9 ". Twelve people have to get an equal rectangular slice that is twice as long as it is wide. Each of those 12 pieces should be _____" long. 7)_____

8) There were 3 contestants in a hot dog eating contest. By the time Al ate one hot dog, Harold ate 3 and Jimmy ate 2. The contest was over when Harold finished his 27th hot dog. How many hot dogs did the 3 contestants eat all together? 8)_____

9) Jerry gave ½ of his marble collection to Marty, ¼ of his collection to Norm, 1/6 to Otto and the remaining 30 marbles to Pete. How many marbles did Otto receive? 9)_____

10) Mrs. Marvin has 12 shelves with an equal number of figurines on each shelf. When she took all the figurines off 3 of the shelves, she was able to put exactly 5 figurines on each of the remaining shelves. How many figurines does Mrs. Marvin have in her figurine collection? 10)_____

11) If 3 people can make 3 widgets in 3 hours than 25 people can make ____ widgets in 3 hours. 11)_____

12) Burt and George set their watches correctly to 6p.m. Wednesday. Burt's watch is fast and gains 1 minute every 6 hours. George's watch is slow and loses 1 minute every 9 hours. At 9 am the actual time Friday morning, Burt's watch is ___ min __ sec. ahead of George's watch. 12)_____

13) Marcy gave Juanita as many dimes as Juanita had. Then Juanita gave Marcy as many dimes as Marcy had left. Juanita now had 26 dimes and Marcy has 20 dimes. Originally, Marcy had ____dimes. 13_____

14) A rectangular kitchen floor is 11ft. by 17 ft. How many square tiles, each with a perimeter of 24 inches, are needed to cover the floor? 14)_____

15) At a carnival 2 tickets cost $3, 6 tickets cost $6 and 10 tickets cost $9. If the pattern continues then 66 tickets would cost $____. 15)_____

16) In Mrs. Kelly's class, 1/5 of the students failed the math test. Of the remaining students in the class ¼ scored an A. What fraction of the whole class passed the test, but scored below an A? 16)_____

17) There are 4 buckets placed in a straight line equidistant from one another. The first bucket is the same distance from the start line as it is from the second bucket. The game is to start at the line, run to the first bucket, drop in a ball and then back to the start line. Next run to the second bucket, drop in a ball then back to the start line. Do the same for the third and fourth buckets. When you finally get back to the start line you will have run ____ times the length of the course. 17)_____

V V V V | Start

18) During track practice Carl ran 3/5 of a mile, Pam ran 4/7 of a mile, Karen ran ½ a mile and Tom ran 2/3 of a mile. Who ran the furthest? 18)_____

19) Mr. Rodriguez was considering using the "Grass Will Grow" lawn service to apply three treatments to his lawn for $48 a treatment. Juan, his neighbor's son, said he would do the same three treatments if Mr. Rodriguez would buy the supplies and pay him $12 an hour for his labor. Mr. Rodriguez agrees and purchases a spreader for $55 and other needed materials for $29. It takes Juan an hour and fifteen minutes for each treatment. How much money did Mr. Rodriguez save by hiring Juan? 19)_____

20) One bacterium doubles its surface area each day. At the end of 40 days the bacteria covers the glass slide it is on. Four such bacteria are placed on one slide so that they will not overlap one another. After ____ days the 4 bacteria will cover the glass slide they are on. 20)_____

21) Mr. Henson has his own business. This year he wanted to have an average income of $4000 per month. For the first 8 months of the year his average monthly income was $4800. What must his average monthly income be for the next 3 months if he wishes to take a month's vacation at the end of the year? 21)_____

22) The large rectangle below is divided into 4 rectangles (A, B, C, D) with whole number values for the lengths and widths. The areas of A, B, and C are given in square units in the diagram. The area of section D is ____ sq units. 22)_____

A 35	B 25
D	C 40

23) A 3-mile obstacle course is broken into thirds. Alvin completed the 1st 2/3 of the course in 2 hours and 10 minutes. He completed the last 2/3 of the course in 2 hours and 25 minutes. He completed the middle third of the course in 1 hour and 15 minutes. It took Alvin ____ hours and ___minutes to complete the entire obstacle course. 23)_____

24) Eleanor can buy a dozen pencils and a package of erasers for $3.30. She can buy a package of erasers and a notebook for $2.70 or a dozen pencils and a notebook for $2.40. How much does a notebook cost? 24)_____

25) The area of a rectangular region (not a square) is 144 sq. units. The lengths of the sides are whole numbers. What is the largest possible value of the smaller of the two dimensions? 25)_____

26) Joan is 14 years old and her mom is 41 years old. Their ages have the same 2 digits. The next time that their ages will have the same 2 digits is in ____ years.

26)_____

27) In order to retire from the Apex Company with a full pension, Mr. Davis must have "combined years" totaling 85. "Combined years" means his age plus the number of years he has worked for the company. Mr. Davis started working for Apex when he was 23 years old. At what age will he first be able to retire from the company at full pension?

27)_____

28) A number machine takes any number fed into it, multiplies it by 2 and then subtracts 8. Zach put a positive number into the machine. He took the number that came out and put it back into the machine. He then took the new number that came out and put it back into the machine. This time zero came out. What number did Zach originally put into the machine?

28)_____

29) When Nicholas writes a composition he always has 9 words in a line. The 1200th word in the composition will be the ____ word in the ____ line.

29)_____

30) In Mr. Wilson's math class the average of the 20 test scores was 82. When the top 5 scores were eliminated, the average of the remaining scores was 78. What was the average of the top 5 scores that were eliminated?

30)_____

31) $a\Delta b = \frac{a\,x\,b}{a-b}$ For example :

$3\,\Delta\,2 = \frac{3\,x\,2}{3-2} = 6.$ How much larger is

$16\Delta\,8\ than\ 10\Delta 5?$

31)_____

32) For two whole numbers m and n, if m is less than 20 and n is less than 10, then which of the following must be true? 32)_____

a) m + n is greater than 10

b) m – n is greater than 10

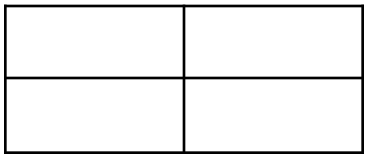
c) m – n is less than 10

d) m + n is less than 30

e) m is greater than n

33) A bug is at point A. The bug can only travel up or to the right. How many different ways can the bug get from point A to point B? 33)_____

B



A

34) A circle graph is used to indicate how the $5400 monthly budget money is spent. A sector of 80◦ is shaded to indicate that portion spent for food. A sector of 150◦ is shaded to indicate that portion spent for the mortgage payment. $_____ more is spent each month for the mortgage payment than is spent for food. 34)_____

35) Andy took a full bag of sand and poured 2/3 of it into the sand box. Nancy poured ½ of what was left between the bricks in the patio. Sonya took the remaining 14 ounces of sand in the bag for her fish tank. Originally the bag of sand weighed ___ounces. 35)_____

36) If ¼ is greater than m/16, then m could be ____. 36)_____

a. 3 b. 5 c. 10

d. 12 e. 16

37) In the diagram below, the distance from P to S is 56”. The distance from P to Q is equal to the distance from R to S. The distance from Q to R is one-third the distance from P to Q. The distance from P to Q is _____. 37)_____

38) Kerry has a penny collection. She gives ¼ of her collection to her cousin. She gives 2/3 of what was left to her sister. Then she gives ¾ of what was left to her brother. What fractional part of her penny collection does Kerry still have? 38)_____

39) Tony was still 14 years old on Wednesday, September 9. Exactly three weeks ago he said his birthday was in 40 days. On what day of the week will Tony be 16 years old? (No leap year is involved) 39)_____

40) The local pizza parlor has 15 choices of toppings for a pizza. What is the maximum number of pizzas you could order with a different combination of two toppings each? 40)_____