

Wilson Avenue School

Summer Reading Assignment

Students Entering 8th Grade



Required Book: **The Outsiders** by S.E. Hinton

Required Assignments:

- After reading **The Outsiders**, complete the **two** assignments below:

I. Comprehension Questions – Complete the questions below. Be sure to answer using complete sentences. Cite evidence from the text to support your responses. Please write or type the answers on a separate sheet of paper neatly.

1. Who are the Socs? Who are the Greasers? What does Cherry explain as the difference between the Socs and the Greasers?
2. How do Ponyboy's relationships with Darry and Sodapop differ? Explain.
3. Why is the "gang" important to Johnny?
4. What major event happens in chapter 4?
5. Who does Johnny think is a hero [p.76]? Do you think Dally is a hero based on what he did?
6. What is your own definition of a hero? Do the three boys prove themselves to be heroes, according to your definition? Explain
7. Why did Pony think it was better to see Socs as "just guys" on p.118? What do you think he means by this?
8. "We needed Johnny as much as he needed the gang. And for the same reason" (p.121). What do you think Pony means, and what is the reason?
9. What is the difference between Tim Sheppard's gang and Ponyboy's? Explain how Pony feels this difference give his group the upper hand?
10. Why does Randy come to visit Pony, beyond the obvious? What did Randy discover in his conversation with Pony?
11. What do we learn was so special about Johnny (p,178)?
12. What does Ponyboy end up doing for his English assignment?

II. **Explanatory Essay** – Essays are to be typed or written neatly on loose-leaf paper in order to receive full credit. Remember to use quotes from the book as support for your ideas, and to cite the page numbers. Use the writing frame to help guide your writing.

Writing Prompt:

Write an essay explaining why you believe each of the Greasers - Ponyboy, Johnny, and Dally - could be considered a hero. Include your own definition of hero in the essay, and be sure to explain how each character, in his own way, meets your definition. Remember to support your ideas with examples.

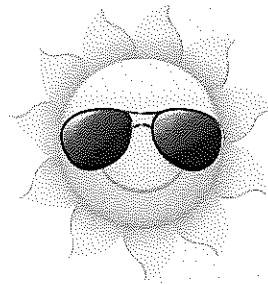
Explanatory Essay Framework
1. Introduction Paragraph <ul style="list-style-type: none">➤ Engaging beginning (Hook)➤ Transition from the engaging beginning to the thesis (main idea)➤ Thesis statement (your definition of hero)
2. Body Paragraph (How is Ponyboy a hero?) <ul style="list-style-type: none">➤ Topic Sentence Statement (Main Idea Statement)➤ Support sentence➤ Facts/details➤ Elaboration/example➤ Details/closure/transition
3. Body Paragraph (How is Johnny a hero?) <ul style="list-style-type: none">➤ Topic Sentence Statement (Main Idea Statement)➤ Support sentence➤ Facts/details➤ Elaboration/example➤ Details/closure/transition
4. Body Paragraph (How is Dally a hero?) <ul style="list-style-type: none">➤ Topic Sentence Statement (Main Idea Statement)➤ Support sentence➤ Facts/details➤ Elaboration/example➤ Details/closure/transition
5. Closing Paragraph <ul style="list-style-type: none">➤ Restate Thesis or Topic Sentences➤ Restate main details➤ Leave the reader with a powerful concluding thought

Wilson Avenue School

Math Packet

Summer 2018

Margarita Hernandez, Principal



Name _____

Dear Parents: This summer your child will be working on a spring packet that is aligned with the common core standards to enhance and reinforce strategies. Please encourage your children to try their best utilizing what they have learned in class. Packets are due back on or before September 4, 2018. This packet will count as your child's first Math Grade.

Return completed packet to 8th Grade teacher on or before September 4, 2018

I have checked the work completed. _____

(Parent Signature)

Name _____

Date _____



Incoming 8th Gr Summer Math Practice

Remember to show all of your work on a separate sheet(s)

Answers

Tell whether the two fractions form a proportion.

1. $\frac{3}{4}, \frac{16}{20}$

2. $\frac{5}{7}, \frac{30}{42}$

3. $\frac{4}{18}, \frac{6}{27}$

4. Use the ratio table to find the unit rate in dollars per ounce.

Amount (ounces)	12	16	20	24
Cost (dollars)	0.96	1.28	1.6	1.92

Order the numbers from least to greatest.

5. $|-5|, 6, -6, -|4|, -2$

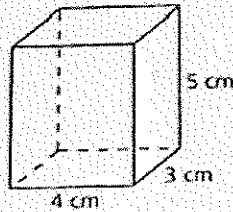
6. $\frac{15}{2}, -8.5, -\frac{42}{5}, 10.2$

Solve the inequality.

7. $4x < 24$

8. $x + 8 \geq 12$

9. What is the volume of the prism?



10. A map has a scale of 1 in. : 10 mi. On the map, the distance between two cities is 5 inches. What is the actual distance between the cities?

Simplify the expression.

11. $-4 + 11$

12. $-6 - 9$

13. $-7(-8)$

14. $60 \div (-4)$

15. $|-34|$

16. $| -(-41) |$

17. $17(-14)$

18. $12 - (-19)$

19. $\frac{4}{15} + \frac{5}{9}$

20. $-\frac{7}{8} \div \frac{3}{4}$

21. $\frac{13}{18} \cdot \frac{9}{25}$

22. $\frac{7}{12} - \frac{1}{8}$

23. $(0.6)^2$

24. $8.37(-5.3)$

25. $0.95 - 3.49$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

25. _____



(continued)

26. The length and the width of a rectangle are both doubled. What is the ratio of the area of the larger rectangle to the area of the smaller rectangle?

Solve the equation.

27. $7 + x = -2$ 28. $8 - x = 13$ 29. $x - 11 = -5$

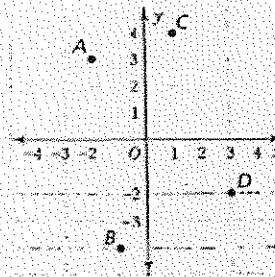
30. $3x - 2 = -5$ 31. $8x + 5 = 21$ 32. $9 - 2x = 23$

33. Use the properties of equality to show that the equation $6x + 3 = 27$ is equivalent to the equation $2x = 8$.

Find the coordinates of the point.

34. A 35. B

36. C 37. D

Complete the statement using $<$, $>$, or $=$.

38. 1 in. ___ 2.54 cm 39. 40 in. ___ 1 m 40. 7 L ___ 2 gal

Write the fraction as a decimal.

41. $\frac{3}{4}$

42. $\frac{5}{16}$

43. $\frac{21}{4}$

44. In a class, the teacher asks each person wearing red to name his or her favorite color. Is this sample representative of the entire class? Explain.
45. The data below are the test scores of the students in a math class.

97, 76, 84, 82, 90, 95, 77, 79, 80, 82, 84, 77, 100, 78, 87

Create a stem-and-leaf plot to represent the data.

Answers

26. _____

27. _____

28. _____

29. _____

30. _____

31. _____

32. _____

33. _____

34. _____

35. _____

36. _____

37. _____

38. See left.

39. See left.

40. See left.

41. _____

42. _____

43. _____

44. _____

45. _____

45. See left.

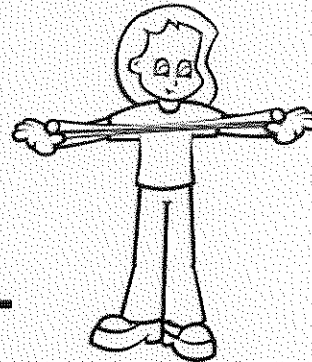
46. _____

46. Each of the letters in the word MATHEMATICS are written on separate index cards. The cards are then placed in a hat. What is the probability of randomly drawing an index card with a vowel on it from the hat?

A **power** is the product of multiplying a number by itself. It is represented as a **base number** and an **exponent**. The **base number** indicates what number is being multiplied, and the **exponent** indicates how many times the base number is to be multiplied.

$$10^5 = 10 \times 10 \times 10 \times 10 \times 10 = 100,000$$

← base number
↑ exponent
↓ factors



Write the factors, then find the value.

A. $5^2 =$ $7^3 =$ $9^2 =$ $3^4 =$ $2^3 =$
 $5 \times 5 = 25$

B. $10^6 =$ $10^4 =$ $5^2 =$ $6^2 =$ $3^5 =$

Write the value.

C. $7^2 =$ $9^5 =$ $4^4 =$ $2^5 =$ $1^9 =$

D. $8^3 =$ $3^2 =$ $2^7 =$ $3^4 =$ $8^2 =$

Write the value using **exponents**.

E. $5 \times 5 \times 5 \times 5 \times 5 =$ $10 \times 10 \times 10 \times 10 =$ $6 \times 6 \times 6 \times 6 =$ $2 \times 2 =$

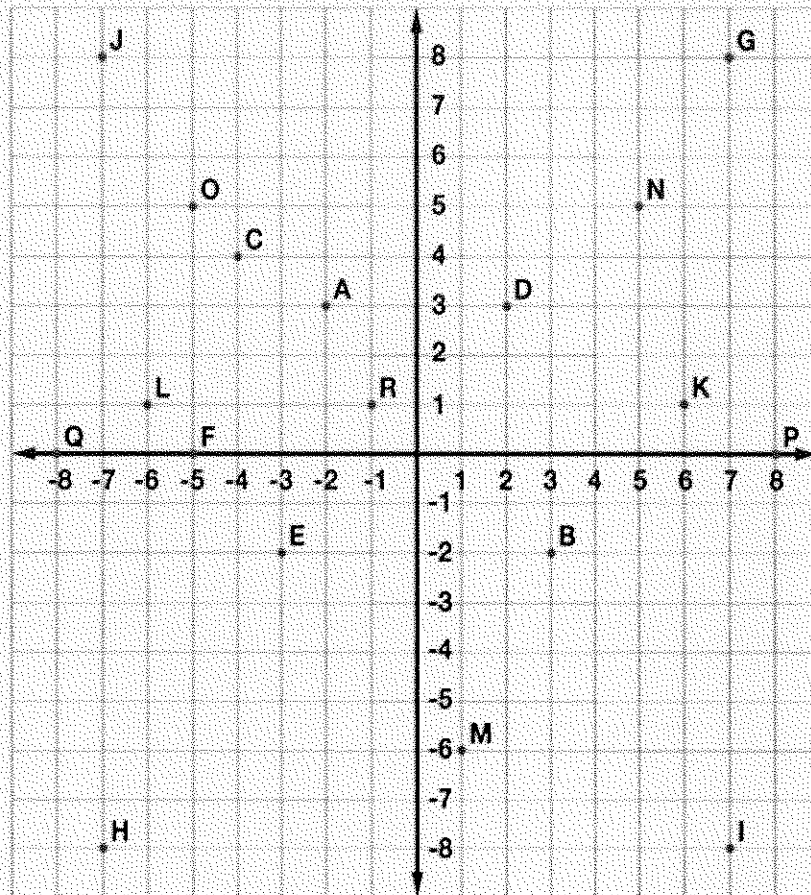
F. $4 \times 4 \times 4 \times 4 =$ $7 \times 7 \times 7 =$ $2 \times 2 \times 2 \times 2 \times 2 =$ $3 \times 3 \times 3 =$

G. $10 \times 10 \times 10 =$ $5 \times 5 =$ $8 \times 8 \times 8 =$ $10 \times 10 =$

Fill in the missing numbers.

	Product	Number to Given Power	Standard Notation
H.	$8 \times 8 \times 8$	8	512
I.	5×5		
J.	$12 \times 12 \times 12$		
K.	$2 \times 2 \times 2 \times 2 \times 2$		

Ordered Pairs



Tell what point is located at each ordered pair.

- | | | |
|---------------------|--------------------|--------------------|
| 1. $(3, -2)$ _____ | 2. $(2, 3)$ _____ | 3. $(-5, 5)$ _____ |
| 4. $(-7, -8)$ _____ | 5. $(-4, 4)$ _____ | 6. $(-5, 0)$ _____ |

Write the ordered pair for each given point.

- | | | |
|-------------|-------------|-------------|
| 7. E _____ | 8. M _____ | 9. P _____ |
| 10. G _____ | 11. Q _____ | 12. N _____ |

Plot the following points on the coordinate grid.

- | | | |
|------------------|-----------------|----------------|
| 13. S $(-6, -3)$ | 14. T $(2, -4)$ | 15. U $(5, 8)$ |
|------------------|-----------------|----------------|

Infinite Algebra 1

Name _____

One-Step Equations

Date _____ Period _____

Solve each equation.

1) $26 = 8 + v$

2) $3 + p = 8$

3) $15 + b = 23$

4) $-15 + n = -9$

5) $m + 4 = -12$

6) $x - 7 = 13$

7) $m - 9 = -13$

8) $p - 6 = -5$

9) $v - 15 = -27$

10) $n + 16 = 9$

11) $-104 = 8x$

12) $14b = -56$

13) $-6 = \frac{b}{18}$

14) $10n = 40$

Scientific Notation (A)

Convert between scientific notation and ordinary numbers.

$8.1 \times 10^{-5} =$

$0.00117 =$

$0.000000029 =$

$3.5 \times 10^{-8} =$

$0.00000284 =$

$8,430 =$

$0.00006398 =$

$7.79 \times 10^6 =$

$9.096 \times 10^{-4} =$

$6.2 \times 10^3 =$

$0.0000009784 =$

$7,800 =$

$0.000019 =$

$9.68 \times 10^6 =$

$0.0000874 =$

$0.0000081 =$

$0.00029 =$

$1.83 \times 10^{-8} =$

$0.002065 =$

$5.89 \times 10^{-7} =$