

June 11, 2010

Hello future 8th Grade Student,

I have put together this summer packet for you to complete before the first day of school. You will be required to read one novel, The Outsiders by S.E. Hinton.

Please read the novel carefully and answer the questions provided in the packet. You will need to come to class the **first day** with the book and a **complete** packet. This will be recorded as your first quiz grade of the year. We will also begin the year discussing this book, so you will need to come to class prepared. There will be no exceptions or excuses entertained in the event that you do not have the packet completed or the book. You can find the book at any bookstore or you can order it off of Amazon.com for as little as \$0.99 plus shipping and handling.

I have also attached the list of vocabulary words we learned throughout the last school year. You need to come to school with the words, the part of speech, and definition completed on a separate piece of paper. You will have your first vocabulary quiz the first week of school.

Please note that this packet is very important to your grade. It contains information about your first two quiz grades, which account for 50% of your grade. You need to take the packet seriously.

If you have any questions while completing the assignments you can email me at aschoen@imanicircle.org. Happy Reading!

Sincerely,

Mallama Schoen

The Outsiders Chapter Questions

DIRECTIONS: Complete the following questions on a separate piece of paper. Write in complete sentences. You must use quotes from the book to defend your answers. Please note that proper documentation must take place for you to receive full credit.

Question 1 of Chapter 1 in The Outsiders has been completed for you to understand the format that is required.

Chapters 1 & 2

- 1) Who is the narrator of the novel?

The narrator of The Outsiders is Ponyboy. This is apparent because the book is written in first person, but the author does not reveal the narrators name until later in the first Chapter. The author tells us the narrators name when she states, "Are you all right Ponyboy?' He was shaking me and I wish he'd stop" (Hinton, 6).

- 2) Describe who the Greasers are. Where are they from and what do they look like?
- 3) Describe who the Socs are. Where are they from and what do they look like?
- 4) Why does Ponyboy say he does not get into "typical Greaser mischief"?
- 5) What happened to Ponyboy's parents?
- 6) Explain what happens to Ponyboy on his walk home from the movies.
- 7) What book does Ponyboy read when he arrives home from the movies?
- 8) What are the Greaser's two main rules?
- 9) According to Ponyboy, what was the leader of the Soc's wearing when he beat up Johnny?

Chapters 3 & 4

- 1) Explain how Ponyboy feels about his brother Darry. What does he say about how Darry feels about Ponyboy?
- 2) When Ponyboy and Cherry are discussing the Socs and Greasers, what do they say the groups have in common? What are their differences?
- 3) Why does Cherry hope to never see Darry again?
- 4) What does Darry do to Ponyboy when he arrives home late?
- 5) Describe Johnny's life at home. Who does he live with and how is he treated?
- 6) What do Johnny and Ponyboy decide to do at the end of Chapter 3?
- 7) Who arrives at the park while Ponyboy and Johnny are there?
- 8) Who dies in the park that night and who killed him?
- 9) What does Darry tell the boys they have to do at the end of Chapter 4?

Chapters 5&6

- 1) Where are the boys hiding in the beginning of Chapter 5?
- 2) What book does Johnny bring back to the church for Ponyboy to read?
- 3) Explain what the letter says that Dally brings to Ponyboy?
- 4) Who is the new spy for the Greasers?
- 5) What happened to the church while Ponyboy and Johnny were away?
- 6) What happened to Johnny and Ponyboy during the fire? Explain what they were doing to cause the outcome.

Chapter 7&8

- 1) Explain what the newspaper article says about Ponyboy and Johnny.
- 2) What does Ponyboy learn about the Soc's during his talk to Randy?

- 3) What does Johnny ask Ponyboy to do for him while he is in the hospital?
- 4) Why would Cherry not go and see Johnny?

Chapter 9&10

- 1) Who wins the fight between the Greasers and the Socs?
- 2) What was the last thing Johnny said to Ponyboy?
- 3) What happened to Ponyboy after the fight between the Socs?

Chapter 11&12

- 1) What happens to Ponyboy after the trial?
- 2) What does Ponyboy have to do to raise his grade in English class?
- 3) How does Ponyboy start his autobiography?
- 4) What is significant about the way he chooses to start his autobiography?

Scale Measurement

Terms

Scale model: A scale model is a proportional model of an actual object. The dimensions may be enlarged or reduced.

Scale factor: The ratio used to reduce or enlarge the scale model. The ratio is “ model’s dimension : actual object’s dimensions”

$$\text{Ratio: } \frac{\text{model dimension}}{\text{actual dimension}}$$

Activity

Select an object to model.

1. Research and measure the real life dimensions of that object and list all of those dimensions. Then decide on the approximate size of your model. Do you want to increase or decrease the size of your object? Tell what your object is and what you want to do with it. Explain why. (at least 2 paragraphs)
2. Choose the material from which you will construct your model. The material can be wood, papier –mache, clay or something else. Explain why you chose this material. What was the advantage of using this material for your model? Explain in at least 2 paragraphs)
3. Calculate. Is your scale model an enlargement or reduction of the actual object? Give the scale factor. Then for each dimension, calculate the corresponding dimension of the scale model.
4. Select **any two measurements** of your scale model, and the two corresponding real life dimensions of the object being modeled. Write a proportion using these four quantities. Then cross- multiply to verify that the proportion is true. Are your two figures proportional? Explain your findings (at least two paragraphs)
5. Display. Your scale model of your object should be ready for display.
Your model should include:
 - 3 –dimensional scale model
 - A colorful, creative representation of your scale model
 - A title
 - A brief description of your object and why you chose it. (At least a paragraph)
 - Include a picture of the actual object with your display
 - Your written report and **calculations** of your work.

7th and 8th grade

Data Analysis and Conversion (Dimensional Analysis)

Dimensional Analysis

Dimensional analysis- the conversion of units of measure by multiplying a ratio equal to 1. Use the table attached to create ratios of measure. Look at the examples below:

- A. Some pitchers can throw a baseball as fast as 95 miles/ hour. How many feet per second is this? (*I need to find feet per second)

Dimensional analysis:

Look for the ratios of measure (conversion factor) that will help convert from miles per hour to feet per second.

$$\underline{95 \text{ miles}} \times \underline{1 \text{ hour}} \times \underline{1 \text{ minute}} \times \underline{5280 \text{ feet}}$$

$$1 \text{ hour} \quad 60 \text{ minutes} \quad 60 \text{ seconds} \quad 1 \text{ mile}$$

Cross out or cancel matching units that are the same in the numerator with the opposite denominator:

$$\underline{95 \text{ miles}} \times \underline{1 \text{ hour}} \times \underline{1 \text{ minute}} \times \underline{5280 \text{ feet}}$$

$$1 \text{ hour} \quad 60 \text{ minutes} \quad 60 \text{ seconds} \quad 1 \text{ mile}$$

Perform the appropriate operation (multiplication, division)

$$\underline{95} \times \underline{1} \times \underline{1} \times \underline{5280} = \underline{501600 \text{ feet}}$$

$$1 \quad 60 \quad 60 \quad 1 \quad 3600 \text{ seconds}$$

Simplify: 139.3 feet/ second

- B. The average person needs 2 ½ quart of water each day. How many gallons does the average person need per week? Look at the conversion factors. (gallons per week)

$$\underline{2 \frac{1}{2} \text{ quarts}} \times \underline{1 \text{ gallon}} \times \underline{7 \text{ days}} = \underline{17.5 \text{ gallons}} = 4.38 \text{ gallons/week}$$

$$1 \text{ day} \quad 4 \text{ quarts} \quad 1 \text{ week} \quad 4 \text{ weeks}$$

Use the above examples to do the following.

1. Create a dimensional analysis for two different sports (basketball, football, hockey, etc). Create questions in which you convert (#dribbles per hour to #dribbles per week; bats per hour to bats per second; yards per minute to yards per second, for example)
Show all your work for each conversion.
2. Interview 10 people to find out how many quarts of water they drink per day. How many gallons does each person drink per week?
How many gallons per month?

Create a table: Name, quart, gallon

Write each person's name, quantity in the table

3. Create your own dimensional analysis question. Use the Table of Measurements table to help you.

Table of Measurement

Length		Capacity	
1 kilometers (km) = 1000 meters	1 mile = 5280 feet	1 liter = 1000 millimeters	1 pint = 2 cups
1 meter = 100 cm	1 yard= 3 feet	1 gallon= 4 quarts	1 cup = 8 fluid ounces
1 centimeter= 10 millimeters	1 foot= 12 inches	1 quart= 2 pints	
Time			
1 year = 365 days	1 year= 52 weeks	1 day = 24 hours	1 minute= 60 seconds
1 year = 12 months	1 week = 7 days	1 hour = 60 minutes	