Kellman Brown Academy

GET READY FOR
7TH GRADE
SUMMER PACKET

NAME: ____________________
Explain what the example above shows about society and class.

Write the text example from the book here:

Example: It is page __________

One of the themes of the novel is "society and class." Writing below, first give examples from the book (including page numbers) of society and class. Then, 

1) Read the following by E. B. Lerner and complete the double-entry journal below.
2) Draw a plot diagram of the novel.

Explain what the example above shows about society and class.
NAME: __________________________

SUMMER PRACTICE FOR ENTERING 7th GRADE

Practice your math skills over the summer.
Use the website:
www.ixl.com

Please complete the following problems and hand the work in on the second.
Show all work completely!

I. Fractions
1. $2 \frac{5}{18} + 4 \frac{1}{6}$
2. $3 \frac{6}{7} + \frac{3}{4}$
3. $5 \frac{1}{3} - 3 \frac{5}{6}$

4. $3 \frac{3}{5} - 1 \frac{2}{7}$
5. $4 \frac{1}{5} \cdot \frac{2}{9}$
6. $8 \frac{2}{3} \cdot 2 \frac{1}{4}$

7. $3 \frac{1}{5} \div 12$
8. $3 \frac{4}{7} \div 1 \frac{1}{4}$
9. $\frac{3}{11} - \frac{1}{8}$

10. Find the GCF 28, 40
11. Simplify $\frac{72}{108}$
II. Decimals

12. $14.8 + .45$
13. $4.61 + 6.207$
14. $5.9 - 2.083$

15. $196 - 23.32$
16. $.5 (2.34)$
17. $3.15(2.6)$

18. $.0348 ÷ .029$
19. $7.85 ÷ .15$

Write each percent as a decimal

20. $8.7%$
21. $62%$

Write each decimal as a percent.

22. $7.4$
23. $.54$

Write each decimal as a fraction and simplify into lowest terms.

24. $1.22$
25. $.08$

III. Plot the given points on each grid. Label the points, connect the dots and name the polygon. (on the graph paper – number)

26. A(2, 3) B(-1, 4) C(-4, 3) D(1, -1)
27. A(0, -4) B(2, 0) C(0, 4) D(-2, 0)
IV Integers

28. \(-110 + 5 - (-5)\)  
29. \(2 - 12 - 4\)  
30. \(-5 \times (-9)\)  

31. \(-65 \div (-5)\)  
32. \(2(8 - 45)\)  
33. \(24 - (3 + 29)\)  

V Order of Operations

34. \([12 - (3 + 4)] \times 6\)  
35. \(2[18 + (-6)]^2 - 4\)  
36. \(20 + (4)(7) - 2^3\)  

37. \(2x^2 + 6x + 3\) for \(x = 6\)  
38. \(3x - (2y + x)\) for \(x = 4, y = 3\)  

VI Proportions

39. Write as unit rate - travel 240 miles in 8 hours  

40. There are 16 turtles in a tank with 13 fish. Write a ratio of turtles to fish three different ways.  

41. Are these proportional \(\frac{5}{6}, \frac{8}{10}\)  

42. $5.65 for 2 gallons - Write as an unit price.
59. What is the area of the school crossing sign represented below?

![Diagram of a school crossing sign]

a. 225 square inches  
b. 450 square inches  
c. 675 square inches  
d. 900 square inches

60. The number of students that checked out a book from the school library during the past seven days is shown below.

36  29  27  30  18  25  31

Which number represents the lower quartile for the data set?

a. 25  
b. 29  
c. 31  
d. 36

61. A waiter receives a tip of $3.25. If this tip represents 20% of the price of the meal, what is the price of the meal?

a. $6.50  
b. $16.25  
c. $23.25  
d. $65.00
62. The numbers of leafhoppers found on potato leaves that were 3 to 6 inches in length are displayed in the box-and-whisker plot below. Which statement about the information presented in the graph is correct?

Leafhoppers on Potato Leaves

20 30 40 50 60

a. The greatest number of leafhoppers found was 63.
b. The greatest number of leafhoppers found was 48.
c. The median number of leafhoppers found was 48.
d. The median number of leafhoppers found was 37.

63. The table shows the number of rows of bricks a worker can lay in different numbers of hours. How many rows of bricks can the worker lay each hour?

<table>
<thead>
<tr>
<th>Brick Laying</th>
<th>Number of Hours</th>
<th>Number of Rows</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>30</td>
</tr>
</tbody>
</table>

64. At a school store, each notebook has the same price and each pencil has the same price. Kate bought 5 notebooks for a total of $4.50 and 12 pencils for a total of $3.00 from the store. At the same store, Dave bought 4 notebooks and 5 pencils. What was the total price of the items Dave bought?

a. $3.75
b. $4.85
c. $7.50
d. $10.35