To help maintain the skills you have learned previously, please complete the attached reading, grammar, and math packet.

(This packet will be collected on the first day of school and will be a portion of your literature and math grades. Online completion of the IXL assignments will be verified by your literature and math teachers.)

**Please note:** Students who attend SPBS Summer School are not required to complete the Grammar and Math Sections. Regardless of whether or not a student attends summer school, ALL STUDENTS must complete the reading section.

**Reading-(All Students are required to complete over summer)**
1. Please read the novel listed in the following packet.
2. Follow the directions and annotate the novel and answer the assigned questions.

**Grammar-(Waived if Summer School (Lit/Language) is attended)**
1. Go to [https://www.ixl.com/](https://www.ixl.com/).
2. Login in using your Saint Paschal student I.D. and password.
3. Click on the Language Arts tab.
4. Complete the assignments listed in the following packet.

**Math-(Waived if Summer School (Math) is attended)**
1. Go to [https://www.ixl.com/](https://www.ixl.com/).
2. Login in using your Saint Paschal student I.D. and password.
3. Complete the assignments listed in the following packet.
4. Complete the enclosed math worksheets.
5. When completing the worksheets, you must SHOW YOUR WORK !!!!

**Please keep all work in a safe place!**
Making Annotations: A User’s Guide

As you work with your text, consider all of the ways that you can connect with what you are reading. Here are some suggestions that will help you with your annotations:

- Define words or slang; make the words real with examples from your experiences; explore why the author would have used a particular word or phrase.

- Make connections to other parts of the book. Feel free to use direct quotes from the book.

- Make connections to other texts you have read or seen, including:
  - Movies
  - Comic books/graphic novels
  - News events
  - Other books, stories, plays, songs, or poems

- Draw a picture when a visual connection is appropriate.

- Re-write, paraphrase, or summarize a particularly difficult passage or moment.

- Make meaningful connections to your own life experiences.

- Describe a new perspective you may now have.

- Explain the historical context or traditions/social customs that are used in the passage.

- Offer an analysis or interpretation of what is happening in the text.

- Point out and discuss literary techniques that the author is using.
Required SUMMER READING LIST for all incoming 8th graders

(This section will not be waived—all students must complete Summer Reading.)

For 8th grade - Messenger by Lois Lowry.

Answer the following questions based on the novel listed above.

When answering these questions, do the following:

- Write on a separate, lined, untorn paper.
- Place your name on the upper left-hand corner of the paper.
- Skip lines.
- Make sure the paper has no crossed out words—in other words, no messy papers!
- Be specific and thorough with your answers.
- Write in complete sentences, with proper spelling and punctuation.

1. Pick two characters from the novel and explain WHY they are important to the plot.

2. Before you answer this question, do the following: define utopia and dystopia. HOW do these three concepts affect the setting of the novel (the time and place in which the story takes place)?

3. What message(s) or lesson(s) does the author want you, the reader, to learn after having read this novel?

4. Annotate—see attached handout on how to annotate.

Continued on the next page...
For the following section of your summer work, you will complete your assignments online, at the following website:  https://www.ixl.com/

Complete the following sections in IXL Language Arts Grade 7

(This section will be waived if you attend Literature/Language Summer School.)

<table>
<thead>
<tr>
<th>IXL Language Arts Skill Grade 7</th>
<th>Date completed</th>
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</thead>
<tbody>
<tr>
<td>A.1 Determine the main idea</td>
<td></td>
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<tr>
<td>B.1 Match the quotations with their themes</td>
<td></td>
</tr>
<tr>
<td>D.3 Match problems with their solutions</td>
<td></td>
</tr>
<tr>
<td>F.2 Vocabulary review: Analyze short stories</td>
<td></td>
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<tr>
<td>V.1 Find words using context</td>
<td></td>
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<tr>
<td>AA.3 Identify plurals, singular possessives, and plural possessives</td>
<td></td>
</tr>
<tr>
<td>BB.1 Identify pronouns and their antecedents</td>
<td></td>
</tr>
<tr>
<td>FF.2 Simple past, present, and future tense: review</td>
<td></td>
</tr>
<tr>
<td>GG.4 Choose between adjectives and adverbs</td>
<td></td>
</tr>
<tr>
<td>HH.1 Identify prepositional phrases</td>
<td></td>
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</tbody>
</table>
For the following section of your summer work, you will complete your assignments on-line, at the following website: [https://www.ixl.com](https://www.ixl.com)

Complete the following sections in **IXL Math Grade 7**:

*(This section will be waived if you attend Math Summer School.)*

<table>
<thead>
<tr>
<th>Grade 7 IXL Math</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>G.10 Multiplying mixed numbers</td>
<td></td>
</tr>
<tr>
<td>G.13 Dividing mixed numbers</td>
<td></td>
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<tr>
<td>I.7 Evaluate negative exponents</td>
<td></td>
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<tr>
<td>R.13 Add/subtract like terms</td>
<td></td>
</tr>
<tr>
<td>T.6 Two-step inequalities</td>
<td></td>
</tr>
<tr>
<td>V.2 Find slope from 2 points</td>
<td></td>
</tr>
</tbody>
</table>
**Algebra Readiness Test**

For use after Chapter 12

Complete circled problems.

1. Evaluate the expression when \( a = 3.2, b = 5, \) and \( c = -8. \)
   
   1. \( 2a + b \)
   2. \( 5ab \)
   3. \( \frac{10a}{b} \)
   4. \( b^2 - a^2 \)
   5. \( \frac{a^2}{b} \)
   6. \( c - a \)
   7. \( b - c + a \)
   8. \( \frac{-16b}{c} \)
   9. \( (-b^2)c \)

In Exercises 10–17, write the phrase or sentence as a variable expression or equation. Use \( x \) as the variable.

10. A number decrease by 105
11. A number plus 4
12. The quotient of 16 and a number
13. A number is 120% of 16.
14. The product of 15 and a number is 45.
15. Twice the sum of 16 and a number is 20.
16. Three times the quotient of a number and 2 is 6.
17. The quotient of a number and 6 is equal to the number decreased by 4.

Evaluate \( y + (-201) \) for the given value of \( y. \)

18. \( y = 105 \)
19. \( y = -316 \)
20. \( y = 1 - 285 \)
21. \( y = -1 - 400 \)

Simplify the expression.

22. \( -52 + [y + (-17)] \)
23. \( a + 7b + 3a \)
24. \( -5c + 8 + 5c + 2 \)
25. \( 3r + s - (-2r) - 2s \)
26. \( \frac{f}{12} - \frac{7f}{12} \)
27. \( \frac{-b}{6} + \frac{5b}{6} \)

Evaluate the expression when \( x = \frac{2}{5} \) and \( y = \frac{3}{8} \).

28. \( \frac{5}{6}x \)
29. \( 2\frac{1}{3}y \)
30. \( xy \)
31. \( \frac{5}{9} \div x \)
32. \( \frac{3}{4} \div y \)
33. \( x + y \)
Solve the equation. Write your answer in simplest form.

34. $8 + x = 4$
35. $x + (-2) = 11$
36. $x - 3 = 12$
37. $x - 3.1 = 7.4$
38. $6x = -24$
39. $-11x = 132$
40. $\frac{x}{21} = 8$
41. $\frac{x}{-1.1} = 9$
42. $5x + 4 = -1$
43. $13 - 2x = -1$
44. $15 + \frac{x}{3} = 17$
45. $x - \frac{1}{4} = \frac{3}{4}$
46. $\frac{2}{3} + x = \frac{1}{3}$
47. $\frac{2}{5} + \frac{1}{3} - x = \frac{1}{15}$
48. $x - \frac{2}{7} = \frac{1}{4}$
49. $\frac{3}{2}d = -1$
50. $\frac{4}{5}b = 4\frac{4}{5}$
51. $\frac{-5}{3}c = -6\frac{2}{3}$
52. $1.8 + x = 4.3$
53. $x - 2.5 = -7.1$
54. $9.6 = x - 8.4$
55. $1.7x = -6.29$
56. $\frac{x}{-4.5} = -9.2$
57. $\frac{x}{1.3} = 4.68$
58. $2y - 5y + 8y = 30$
59. $16z - 11 + 2z + 1 = -1$
60. $-17 = 6x - (1 + 2x)$
61. $\frac{3w + 5}{-8} = -4$
62. $8g - 10 = 6g$
63. $2f + 8 = -7f - 10$
64. $3.6d + 1.2 = 8.4(d - 1)$

Solve the equation. Round your answer to the nearest hundredth, if necessary.

66. $36 = l^2$
67. $a^2 = 1600$
68. $r^2 + 16 = 137$
69. $m^2 - 5 = 4$
70. $4l = r^2 - 2$
71. $d^2 + 0.2 = 1.24$
72. Evaluate $\sqrt{x^2 + y^2}$ when $x = 12$ and $y = 9$.
73. Evaluate $\sqrt{x^2 - y^2}$ when $x = -17$ and $y = 15$. 
Algebra Readiness Test
For use after Chapter 12

Write a phrase or sentence describing the inequality.

74. \( g \leq -2 \)  
75. \( 9 < a \)  

76. \( 2(x + 1) > 6 \)  
77. \( \frac{r}{12} \geq 3 \)

Solve the inequality.

78. \( x + 5 > 7 \)  
79. \( 3x \geq 7 \)  

80. \( \frac{x}{8} < -10 \)  
81. \( \frac{x}{11} + 6 < 4 \)  

82. \( 8g - 7 > 2g + 11 \)  
83. \( -0.3t - 9 + 5.8t \leq -6.25 \)

Factor the monomial.

84. \( 16ab \)  
85. \( 55x^3y^4 \)  
86. \( 126fg^3h \)

Find the GCF of the monomials.

87. \( 9z^2, 15z^7 \)  
88. \( 14w^2, 42wx \)  

89. \( 20ab^3, 200abc^3 \)  
90. \( 19m^6n, 78m^3p^2 \)  

91. Write the fraction \( \frac{-16xy}{52x^2} \) in simplest form.

Simplify. Write the expression using only positive exponents.

92. \( a^7 \cdot a^4 \)  
93. \( \frac{8^{11}}{8^3} \)  
94. \( \frac{4^3a^{10}c^3}{4^2d^{-3}e} \)

Find the value of \( x \).

95. \( \frac{x}{9} = \frac{25}{45} \)  
96. \( \frac{7}{12} = \frac{x}{48} \)  

97. \( \frac{81}{36} = \frac{9}{x} \)  
98. \( \frac{7.3}{2.1} = \frac{x}{12.6} \)  

99. \( \frac{2x}{3} = \frac{60}{15} \)  
100. \( \frac{4}{x - 3} = \frac{8}{10} \)

Answers

74. __________  
75. __________  
76. __________  
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