

Summer Reading for ECS future 5th graders

Please choose between ONE of the following books for your summer reading selection.



DARBY By: Jonathon Scott Fuqua

ISBN # 978-0-7636-2290-9

AR Points: 7.0

This story is set in 1926 in South Carolina. A girl name Darby Carmichael becomes a young newspaper girl and begins writing a column called *The Bennettsville Times*. Before long, her column gains fame in the town. However, the town finds it may not be ready for the truths young Darby reveals.

The Twenty- One Balloons By: William Pene du Bois

ISBN #0-14-032097-0

AR Points: 6.0

When Professor William Waterman Sherman leaves San Francisco in a hot-air balloon, he intends to fly across the Pacific Ocean. Instead, through a twist of fate, he lands on Krakatoa, a legendary island of unimaginable wealth, eccentric inhabitants, and fantastic balloon inventions.

Among the Hidden By: Margaret Peterson Haddix

ISBN# 978-0-689-82475-3

AR Points: 5.0

This story is about a boy named Luke that lives in seclusion. One day, he sees a mysterious girl's face in a neighbor's house window. From here a dangerous plan unfolds that leads to Luke's involvement and possible serious consequences.

Assignment...

you can find copies in book stores, public libraries, or through on-line purchasing sites OR you may borrow a copy from the school (these will be available on a first come/first serve basis and must be returned when school begins).

While reading, keep a list of ten-twelve major events that happen during the book. This will be turned in to your teacher during the first week of school, and students will also take an AR test on the book.

The AR points gained will go towards your AR goal for Quarter 1.

Dear Parents and Rising 5th grade students:

In an effort to help your students make a smooth transition from this school year to the next, we feel it is very helpful to review some basic math concepts over the summer months. The attached pages contain basic concepts that the students have been taught if they are a returning ECS student.

The packet is designed with an 8-week plan. Students are to complete 10 problems (1 page) per week of summer break. We do not want to conflict with any summer vacation plans, so of course students may do more or less before or after a trip, as long the entire packet is complete by the first day of school, August 2019.

- Please ensure that all your answers are clearly written
- No calculators are used
- Show work when needed to solve problem

If you have any questions, please feel free to contact me at acolley@ecseagles.com

Have a wonderful summer!

4th Grade Summer Mathematics Review #1

Name: _____

<p>1. How many sides does each polygon have?</p> <p>A. Pentagon _____ B. Nonagon _____</p> <p>C. Octagon _____ D. Quadrilateral _____</p>	<p>2. What is the rule for this function machine?</p> <div style="text-align: center; margin: 10px 0;"> <table border="1" style="border-collapse: collapse; margin: auto;"> <thead> <tr> <th style="padding: 2px 10px;">Input</th> <th style="padding: 2px 10px;">Output</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">9</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">17</td> </tr> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">25</td> </tr> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">41</td> </tr> </tbody> </table> </div>	Input	Output	1	5	2	9	4	17	6	25	10	41		
Input	Output														
1	5														
2	9														
4	17														
6	25														
10	41														
<p>3. List all of the factors of each number.</p> <p>24: _____</p> <p>32: _____</p> <p>What is the Greatest Common Factor (GCF) of 24 and 32? _____</p>	<p>4. If you flip a coin 20 times, about how many times would you expect the coin to land heads up?</p> <p style="text-align: center;">_____ times</p> <p>Check your prediction. Try it and record your data.</p>														
<p>5. A family hiked 2.16 miles on the first day of their hiking trip, 3.07 miles the second, and 4.89 miles on the third day. How many miles did they hike in all?</p>	<p>6. Solve.</p> <div style="text-align: center; margin: 10px 0;"> $\frac{\quad}{12} = \frac{1}{4}$ </div>														
<p>7. What is the product? _____</p> <div style="text-align: center; margin: 10px 0;"> 58×189 </div>	<p>8. Subtract.</p> <div style="text-align: center; margin: 10px 0;"> $116 - 0.78 =$ </div>														
<p>9. Illustrate each:</p> <p>a. intersection of two lines</p> <p>b. parallel lines</p> <p>c. perpendicular lines</p>	<p>10. The average daily temperature of second week in March is listed below. Use a sheet of paper to construct a line graph using this information. Title and label your graph.</p> <div style="text-align: right; margin: 10px 0;"> <table style="margin: auto;"> <tbody> <tr><td style="padding-right: 10px;">Sun.</td><td>67</td></tr> <tr><td>Mon.</td><td>84</td></tr> <tr><td>Tues.</td><td>73</td></tr> <tr><td>Wed.</td><td>80</td></tr> <tr><td>Thurs.</td><td>68</td></tr> <tr><td>Fri.</td><td>72</td></tr> <tr><td>Sat.</td><td>75</td></tr> </tbody> </table> </div>	Sun.	67	Mon.	84	Tues.	73	Wed.	80	Thurs.	68	Fri.	72	Sat.	75
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4th Grade Summer Mathematics Review #2

Name: _____

<p>1. Round to the nearest ten thousand.</p> <p style="text-align: center; font-size: 1.2em;">5,483,978</p> <p style="text-align: center;">_____</p>	<p>2. Write the missing numbers.</p> <div style="text-align: center;"> </div>
<p>3. Identify the statement that represents the fraction $\frac{3}{12}$.</p> <p>A. 3 minus 12 B. 3 divided by 12 C. 12 divided by 3</p>	<p>4. Solve:</p> <p style="text-align: center; font-size: 1.2em;">6,003 - 768 = _____</p>
<p>5. A lion's heart beats 85 times in 6 minutes. What is the approximate rate per minute?</p> <p style="text-align: center;">_____</p>	<p>6. How many line segments are necessary to</p> <p>a. draw a triangle _____</p> <p>b. draw a hexagon _____</p> <p>c. draw a quadrilateral _____</p>
<p>7. Write the following number in word form:</p> <p style="text-align: center; font-size: 1.2em;">2,805,730</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>8. Andy wants to buy a new paint set that costs \$27.95. He has 2 ten-dollar bills, 1 five-dollar bill, 1 one-dollar bill, 3 quarters, 10 dimes, and 3 pennies. Does he have enough money to buy the paint set? _____</p> <p>How much change will he receive OR how much more money does he need? _____</p>
<p>9. Write an equivalent fraction for each fraction below. Then write the original fractions in order from least to greatest.</p> <p style="text-align: center; font-size: 1.2em;">$\frac{3}{4} = \underline{\hspace{1cm}}$ $\frac{5}{8} = \underline{\hspace{1cm}}$ $\frac{1}{2} = \underline{\hspace{1cm}}$</p>	<p>10. When you roll a die, do you have the same chance of getting a 6 as you do as getting a 3?</p> <p>Explain. _____</p>

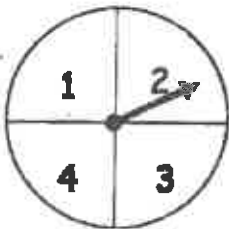
4th Grade Summer Mathematics Review #3

Name: _____

<p>1. Solve for n.</p> $15 + (35 + 16) = (15 + 35) + n$	<p>2. What fraction can you add to $\frac{4}{7}$ to get a sum of one?</p>																
<p>3. Fill in the blanks to make each equation true.</p> <p>A. $(8 + 5) + 7 = 8 + (\quad + 7)$</p> <p>B. $(3 \times 4) \times 5 = \quad \times (4 \times 5)$</p> <p>C. $12 \times (3 \times 2) = (12 \times \quad) \times 2$</p>	<p>4. Choose the best unit of weight to measure the items below:</p> <p style="text-align: center;">oz., lb., or t.</p> <p>a. a butterfly _____</p> <p>b. a bicycle _____</p>																
<p>5. Ferryville Metro can carry up to 865 people every five minutes. What is the maximum number of people it can carry in a two-hour period?</p>	<p>6. Follow the function rule to complete the table.</p> <div style="text-align: center; margin-bottom: 10px;"> </div> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <tbody> <tr> <td style="padding: 5px;">IN</td> <td style="padding: 5px;">12</td> <td style="padding: 5px;">14</td> <td style="padding: 5px;">11</td> <td style="padding: 5px;">16</td> <td style="padding: 5px;">18</td> <td style="padding: 5px;">15</td> <td style="padding: 5px;">17</td> </tr> <tr> <td style="padding: 5px;">OUT</td> <td style="padding: 5px;">3</td> <td style="padding: 5px;">5</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> </tbody> </table>	IN	12	14	11	16	18	15	17	OUT	3	5					
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<p>7. Write a decimal and fraction for the shaded part of this model.</p> <div style="text-align: center; margin: 10px 0;"> </div> <p style="text-align: center; margin-top: 10px;">_____</p>	<p>8. Cindy saw a newspaper advertisement for King's Cold Cuts. She decided to buy 0.80 lb. of turkey for \$1.70 and 0.74 lb. of cheese for \$2.85. How many pounds of food did she buy?</p> <p style="text-align: center; margin-top: 10px;">_____</p>																
<p>9.</p> <p style="text-align: center; margin: 10px 0;">2,745.045</p> <p>a. What digit is in the thousands place? _____</p> <p>b. What digit is in the tenths place? _____</p>	<p>10. I am thinking of two numbers. If you add them you get 15, multiply them you get 36, subtract them you get 9, and divide them you get 4. What are the two numbers?</p>																

4th Grade Summer Mathematics Review #4

Name: _____

<p>1. Jessica drew this pattern:</p> <p style="text-align: center;">△ △ ○ ○ □ □</p> <p>If she made 6 rows of this pattern, how many circles did she draw?</p>	<p>2. Draw a line segment and label it JR.</p>
<p>3. What is the probability of the spinner landing on the number 4?</p> <div style="text-align: center;">  </div>	<p>4. Estimate. Show how you rounded the numbers.</p> $\begin{array}{r} 3172 \\ + 5496 \\ \hline \end{array}$
<p>5. Write these fractions as decimals.</p> <p>a. $\frac{3}{10} = \underline{\hspace{2cm}}$</p> <p>b. $\frac{26}{100} = \underline{\hspace{2cm}}$</p>	<p>6. Draw two different polygons that contain parallel sides.</p>
<p>7. Solve.</p> <p style="text-align: center;">$0.75 + 0.07 =$</p>	<p>8. Fill in the blanks.</p> <p>_____ cups = 1 gallon</p> <p>_____ cups = 1 pint</p> <p>_____ quarts = 1 gallon</p> <p>_____ pints = 1 quart</p>
<p>9. Solve.</p> <p style="text-align: center;">$\frac{3}{4} = \frac{?}{12}$</p>	<p>10. Complete the pattern.</p> <p style="text-align: center;">1, 8, 3, 10, 5, 12, _____, _____, _____</p> <p style="text-align: center;">Explain the pattern.</p>

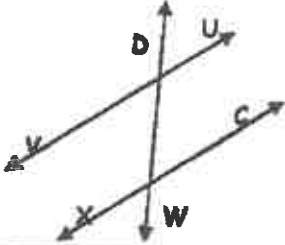
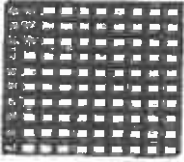
4th Grade Summer Mathematics Review #8

Name: _____

<p>1. A theater sold 819 tickets for 3 performances of a play. The same number of people saw each show. How many people saw the first two performances of the play?</p>	<p>2. Write an equivalent fraction for each.</p> <p>a. $\frac{1}{5} = \underline{\hspace{2cm}}$ b. $\frac{2}{4} = \underline{\hspace{2cm}}$</p> <p>c. $\frac{3}{8} = \underline{\hspace{2cm}}$</p>																
<p>3. School Populations 476 students 237 students 84 students 593 students</p> <p>a. How many students attend the three most populated schools?</p> <p>b. How many students attended the least populated school?</p>	<p>4. Round to the nearest hundredth.</p> <p style="text-align: center; margin: 10px 0;">847.9648</p> <p style="text-align: center;">_____</p>																
<p>5. Draw two line segments parallel to each other. Label your line segments.</p>	<p>6. Complete and describe the pattern.</p> <p style="text-align: center;">3, 7, 6, 5, 9, 8, 7, 11, _____, _____, 13</p>																
<p>7. Is it equally likely or not equally likely that a flipped coin will land on heads or tails?</p> <p style="margin-left: 40px;">Circle one: <input type="radio"/> equally likely</p> <p style="margin-left: 40px;"> <input type="radio"/> not equally likely</p>	<p>8. Follow the function rule to complete the table.</p> <div style="margin-left: 40px;"> </div> <table border="1" style="margin-left: 40px; border-collapse: collapse; text-align: center;"> <tbody> <tr> <td style="padding: 5px;">IN</td> <td style="padding: 5px;">12</td> <td style="padding: 5px;">8</td> <td style="padding: 5px;">16</td> <td style="padding: 5px;">24</td> <td style="padding: 5px;">20</td> <td style="padding: 5px;">32</td> <td style="padding: 5px;">36</td> </tr> <tr> <td style="padding: 5px;">OUT</td> <td style="padding: 5px;"> </td> <td style="padding: 5px;"> </td> <td style="padding: 5px;"> </td> <td style="padding: 5px;"> </td> <td style="padding: 5px;"> </td> <td style="padding: 5px;"> </td> <td style="padding: 5px;"> </td> </tr> </tbody> </table>	IN	12	8	16	24	20	32	36	OUT							
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<p>9. Fill in the missing numbers.</p> <div style="margin-left: 40px;"> </div>	<p>10. Which is heavier, an object weighing 67 ounces or an object weighing 4 pounds? Explain your answer.</p>																



4th Grade Summer Mathematics Review #6

Name: _____

<p>1. Kyle ran the race in 9.24 seconds. Joel ran the race in 9.45 seconds. Who won, and by how much?</p>	<p>2. Name the parallel lines in this figure.</p> 
<p>3. Madeline has \$0.63 in quarters, dimes, nickels, and pennies. She has 9 coins in all. What are they?</p>	<p>4. Write the decimal equivalent.</p> <p>a. $\frac{1}{2} =$ _____ (decimal)</p> <p>b. $\frac{6}{100} =$ _____ (decimal)</p>
<p>5. Write the decimal represented on the decimal square. _____</p> 	<p>6. A car can travel 25 miles on a gallon of gas. How many miles can it travel with 15 gallons of gas?</p>
<p>7. Fill in the missing numbers. Describe the pattern.</p> <p>3, 6, 9, _____, 15, 18</p>	<p>8. Write a number that comes between 8,140 and 8,150.</p>
<p>9. Round each decimal</p> <p>1.45 to the nearest tenth _____</p> <p>3.807 to the nearest hundredth _____</p> <p>6.873 to the nearest whole _____</p>	<p>10. Circle the best unit of length to measure the height of a door:</p> <p>A. inches</p> <p>B. feet</p> <p>C. miles</p>

4th Grade Summer Mathematics Review #7

Name: _____

<p>1. Estimate the sum. Explain.</p> <p style="margin-left: 20px;">$376 + 2094 + 96 =$</p>	<p>2. Draw an angle. Name your angle.</p>										
<p>3. Measure the line segment below to the nearest centimeter and to the nearest inch.</p> <div style="text-align: center; margin: 10px 0;">  </div> <p>a. _____ cm.</p> <p>b. _____ in.</p>	<p>4. What is the Least Common Multiple (LCM) of 12 and 5?</p>										
<p>5. If 59 students want to go on a rafting trip, and each raft holds 6 people, how many rafts will be needed?</p>	<p>6. How are lines and line segments different?</p>										
<p>7. Compare. Use >, <, or =.</p> <div style="text-align: center; margin: 10px 0;"> $\frac{5}{9}$  $\frac{2}{3}$ </div> <p>Which fraction is larger?</p>	<p>8. The following numbers of hot lunches were sold recently at one school. Construct a line graph to show this information. Use another sheet of paper. Title and label your graph.</p> <p><u>School lunches sold each day.</u></p> <table style="margin-left: 20px; border: none;"> <tr><td>Monday</td><td style="text-align: right;">12</td></tr> <tr><td>Tuesday</td><td style="text-align: right;">4</td></tr> <tr><td>Wednesday</td><td style="text-align: right;">8</td></tr> <tr><td>Thursday</td><td style="text-align: right;">8</td></tr> <tr><td>Friday</td><td style="text-align: right;">18</td></tr> </table>	Monday	12	Tuesday	4	Wednesday	8	Thursday	8	Friday	18
Monday	12										
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<p>9. Solve.</p> <p style="margin-left: 20px;">$4,685 - 194 =$</p>	<p>10. Which expression would NOT make the equation true?</p> <p style="margin-left: 20px;">$8 \times 6 =$ _____</p> <p style="margin-left: 20px;">A. 8×14</p> <p style="margin-left: 20px;">B. 12×4</p> <p style="margin-left: 20px;">C. 16×3</p>										

