
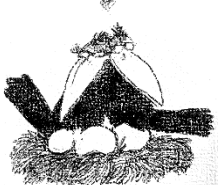
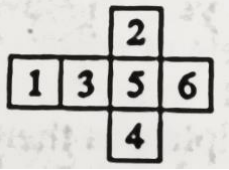


<p>1. By how much does the sum of the digits in List <i>K</i> exceed the sum of the digits in List <i>L</i>?</p> <p>List <i>K</i>: 3 1 6 9 5 2 8 7 List <i>L</i>: 2 0 5 8 4 1 7 6</p> <p>A. 1 B. 8 C. 33 D. 41</p>	<p>2. If all beavers work at the same rate, and if 6 beavers can clear the trees from a lot in 36 hours, how many hours would it take 12 beavers to clear these same trees?</p> <p>A. 18 B. 24 C. 54 D. 72</p> 									
<p>3. If 20 is subtracted from 4 times <u>?</u> the result is 100.</p> <p>A. 20 B. 30 C. 80 D. 120</p>	<table border="1" data-bbox="803 506 993 699"> <tbody> <tr> <td>34</td> <td>153</td> <td>68</td> </tr> <tr> <td>119</td> <td>85</td> <td></td> </tr> <tr> <td>102</td> <td>17</td> <td>136</td> </tr> </tbody> </table> <p>4. In the large “magic” square shown, the sums of the numbers in every row and column are equal. What number should appear in the empty cell?</p> <p>A. 41 B. 49 C. 50 D. 51</p>	34	153	68	119	85		102	17	136
34	153	68								
119	85									
102	17	136								
<p>5. The sum of 2 different odd numbers greater than 0 could be _____.</p> <p>A. 2 B. 3 C. 4 D. 5</p>	<p>6. This year, the lovebirds had 16 sets of triplets. There are as many birds in 16 sets of triplets as there are in <u>?</u> set of twins.</p> <p>A. 4 B. 8 C. 12 D. 24</p> 									
<p>7. Twice the number of pencils I have equals 3 times the number you have. If I have 24 pencils, then you have <u>?</u> pencils.</p> <p>A. 4 B. 8 C. 12 D. 16</p>	<p>8. How many even numbers are greater than 2 and less than 100?</p> <p>A. 48 B. 49 C. 50 D. 98</p>									
<p>9. If my age now plus my age 6 years ago is 24, in 2 years I'll be _____.</p> <p>A. 11 B. 15 C. 17 D. 20</p>	<p>10. Today, I delivered 3 pink boxes and 2 blue boxes. Each pink box weighed the same. Each blue box weighed the same. The total weight of the 3 pink boxes equaled the total weight of the 2 blue boxes. The 5 boxes weighed 60 kg altogether. How much did each blue box weigh?</p> <p>A. 12 kg B. 15 kg C. 20 kg D. 30 kg</p>									
<p>11. Divide $6 \times 7 \times 8 \times 9 \times 10$ by $1 \times 2 \times 3 \times 4 \times 5$. The remainder is _____.</p> <p>A. 63 B. 9 C. 7 D. 0</p>	<p>12. If I fold the piece of cardboard shown so each little square is a different side of a cube, what number will be on the side opposite the side numbered 6?</p> <p>A. 5 B. 3 C. 2 D. 1</p> 									
<p>13. If $1 + 2 + 3 + \dots + 100 = 5050$, then $101 + 102 + 103 + \dots + 200 =$ _____.</p> <p>A. 10,000 B. 10,050 C. 10,100 D. 15,050</p>	<p>14. There are exactly <u>?</u> different ways that I can rearrange the digits of 1234 to form a number greater than 1234.</p> <p>A. 3 B. 11 C. 17 D. 23</p>									

Take a picture of the completed worksheet and email it to RAMHoustonReg@gmail.com or text it to 832-898-3959 by **May 29th, 2020**, and you will receive 1 point for each problem attempted. When you get 30 points, you can exchange for a package of gel pens!

Solutions will be posted online on May 30th, 2020.