





<p>1. If $\frac{1}{3}$ of my hats are red, and 36 are not red, I have <u>?</u> hats. A. 18 B. 54 C. 72 D. 108</p> 	<p>2. The sum of the measures of the 2 smallest angles of a triangle could be _____. A. 151 degrees C. 121 degrees B. 135 degrees D. 61 degrees</p>
<p>3. How many multiples of 10 are factors of 10^2 ? A. 1 B. 2 C. 3 D. 4</p>	<p>4. What is the greatest common factor of $1 \times 3 \times 5 \times 7 \times 9$ and $2 \times 4 \times 6 \times 8 \times 10$? A. 1 B. 3 C. 5 D. 15</p>
<p>5. If I double my speed of 12000 m/hr., my new speed will be _____. A. 200 m/min. C. 600 m/min. B. 400 m/min. D. 2400 m/min.</p>	<p>6. One-fourth of Ed's balloons popped, with 2 balloons popping every 3 minutes for an hour. How many balloons did not pop? A. 40 B. 80 C. 120 D. 160</p> 
<p>7. What is the greatest common factor of 6^8 and 8^6 ? A. 2^2 B. 4^4 C. 6^6 D. 8^8</p>	<p>8. The expression 100^{2018} can be written as the product of exactly <u>?</u> prime numbers. A. 5×2018 B. 4×2018 C. 2×2018 D. 2018</p>
<p>9. Each day for a month, Sully wakes up 5 minutes earlier than he did the day before. If Sully woke up at 6:50 a.m. on a Monday, on what day did he wake up at 6:20 a.m. A. Sunday C. Tuesday B. Monday D. Wednesday</p>	<p>10. Last year I spent \$180 for 80 pairs of shade. This year I spent \$180 for 5 fewer pairs of the same shades. How much did the price per pair increase since I bought them last year? A. 15¢ B. 72¢ C. 96¢ D. 120¢</p> 
<p>11. I drove at a constant speed of 60 km/hr. without stopping. At exactly 5:00 p.m. I had traveled 318 km. At what time did I start driving? A. 10:42 a.m. C. 12:42 p.m. B. 11:42 a.m. D. 1:42 p.m.</p>	<p>12. The product of all the factors of an integer greater than 1 equals the cube of that integer. What is the least integer for which this is true? A. 24 B. 18 C. 12 D. 8</p>
<p>13. On our last history test, at least one student scored each of the grades A, B, C, D, and F. If 8 got an A, 15 got a C or higher, 10 got a B or lower, and only one student got a D, how many students got an F? A. 1 B. 2 C. 3 D. 5</p>	<p>14. $(2^2 \times 2^4 \times 2^6 \times \dots \times 2^{98} \times 2^{100}) \div (2^1 \times 2^3 \times 2^5 \times \dots \times 2^{97} \times 2^{99}) =$ _____. A. 2 B. 2^{49} C. 2^{50} D. 2^{100}</p>
<p>15. Starting at 1:00 p.m., a ball was rolled in each of two lanes. A ball was rolled once every 15 seconds in one lane and once every 18 seconds in the other. By 1:44 p.m., how many times had balls been rolled at the same time in both lanes? A. 29 B. 30 C. 40 D. 44</p>	

Take a picture of the completed worksheet and email it to RAMHoustonReg@gmail.com or text it to 832-898-3959 by **June 12th, 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 June 13th, 2020.