





Summer Math Calendar for Students Entering 8th Grade

<p>1. All students must learn their multiplication facts. Use this day to study facts 0 – 12 and time yourself. A parent or guardian should write a note stating this task was completed. Be prepared for a quiz the week of 8.11.14.</p>	<p>2. All students must know their integer rules. Use this day to study them. Write down the integer rules for addition, subtraction, multiplication, and division.</p>	<p>3. Find the answer to the following...</p> <p>-12 + (-15) 10 + (-23) -18 + 9 19 – (-17) -35 - 21</p> 	<p>4. Jackie is 4 years younger than Roger. Roger is 2.5 years older than Jade. Jade is 14 years old. How old is Jackie?</p> 	<p>5. Becca is directing a play that starts at 8:15pm. She wants the cast ready 10 minutes before the play. The cast needs 45 minutes to put on make-up, 15 minutes for a director's meeting, and then 35 minutes to get in a costume. What time should the cast arrive?</p>	<p>6. A frog is climbing a 22ft. tree. Every 5 minutes it climbs up 3 feet and but slips back down 1 foot. How long will it take it to climb up the tree?</p> 	<p>7. Find the GCF for the following numbers:</p> <p>10, 25 9, 21 18, 27</p> 
<p>8. Find the answer to the following:</p> <p>2 - 9 17 - 38 -12 - (-26) -15 - 7</p>	<p>9. Simplify the following expressions:</p> <p>$4 \div 2 + 8 \times 2^3 - 4$ $20 - 3 \times 4 + 30 \div 6$</p>	<p>10. A banquet table seats 2 people on each side and 1 at each end. If 6 tables are placed end to end, how many seats can there be?</p>	<p>11. Learn all of your perfect squares up to 625. A parent should write a note stating this task was completed. Be prepared for a quiz the week of 8.11.2014</p>	<p>12. Patrick, John, and Vanessa have a snake, a cat, and a rabbit. Patrick's pet does not have fur. Vanessa does not have a cat. Match the owner with their pets.</p>	<p>13. Dottie needs to learn a total of 24 vocabulary words. She has learned 75% of them. How many more words does she need to learn?</p>	<p>14. A cylinder and a cone have the same radius and height. What is the difference between the volume of both the cylinder and come?</p>
<p>15. Eva transports tents across a lake using a boat that can hold a max of 1,000 pounds. Eva weighs 100 pounds, and each tent is 50 pounds. What is the max number of tents the boat can hold with Eva on board?</p>	<p>16. Solve the following equations for x:</p> <p>$x/5 = 3$ $-3x - 5 = -32$</p>	<p>17. In Ms. Ash's class there are 14 boys and 16 girls. What is the ratio of boys to total number of students in the class?</p>	<p>18. Graph the following coordinates on a coordinate plane:</p> <p>A(0, 4) B(6, 0) C(4, 6) D(8, 4) E(-6, 2) F(-1, 7) G(5, -5) H(2, -4) I(-7, -3) J(-6, -1)</p>	<p>19. Solve the following equation for n:</p> <p>$6n - 11 = 19$</p>	<p>20. Convert the following to a fraction:</p> <p>20% 2.25 $\sqrt{81}$</p>	<p>21. Which car is traveling faster?</p> <p>Car 1: 300 miles in 5 hours Car 2: 250 miles in 4 hours</p>
<p>22. Find the answer to the following:</p> <p>-56 + 30 61 - (-12) -31 + (-24) -41 - 16 -34 - (-78)</p>	<p>23. Vicki budgeted \$195 for clothes. She bought shoes for \$54. Jeans cost \$38 each. How many pairs of jeans can she buy and stay within her budget?</p>	<p>24. Michael can travel 260 miles in 5 hours. How many miles can he travel in 2 hours?</p>	<p>25. Find three consecutive integers whose sum is 96.</p>	<p>26. 4 times a number increased by 12 gives you 28. What is the number?</p>	<p>27. Sally and her friend received a bill at a restaurant that came out to \$38. Sally paid 25% of the bill. How much did her friend pay?</p>	<p>28. Find the answer to the following:</p> <p>-42 + (10) 19 + (-93) -18 + 29 26 - (-7) -31 - 31</p>