

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<h1>GEOMETRY</h1> <h2>OCTOBER 2015</h2>			<ul style="list-style-type: none"> Remember that if the answer you get is different from the date... you need to try the problem again! Do not leave any question blank. If you don't know how to solve it... ask for help! 	<p>1</p> <p>B is the midpoint of \overline{AC}. $AB = 2x - 2$ and $AC = 15x - 15$. Find the value of x.</p>	<p>2</p> <p>$\angle ABC$ and $\angle TRW$ are complementary. Find the value of x if $m\angle ABC = 10x + 17$ and $m\angle TRW = 21x + 11$.</p>	<p>3</p> <p>Write a fraction addition word problem whose answer is 3.</p>
<p>4</p> <p>Two angles are complementary. One angle measures $(3x - 32)^\circ$ and the other measures $(7x + 2)^\circ$. Find the measure of the smaller angle.</p>	<p>5</p> <p>Simplify $\frac{14}{6} + \frac{24}{9}$.</p>	<p>6</p> <p>\overline{KW} bisects $\angle LKM$. If $m\angle LKW = x + 4$ and $m\angle LKM = 5x - 10$, what is the value of x?</p>	<p>7</p> <p>An angle measures 6° more than 11 times its complement. Find the measure of the complement.</p>	<p>8</p> <p>Simplify $\frac{3}{7} \div \frac{3}{56}$.</p>	<p>9</p> <p>$m\angle ABC = 10x + 10$ and $m\angle DEF = 8x + 8$. If $\angle ABC$ and $\angle DEF$ are supplementary, what is the value of x?</p>	<p>10</p> <p>Solve for x.</p> $\frac{1}{5}(3x - 20) = -3\left(-\frac{11}{30}x + 3\right)$
<p>11</p> <p>$\angle ABD$ and $\angle CBD$ form a linear pair. Find the value of x if $m\angle ABD = 10x + 10$ and $m\angle CBD = 5x + 5$.</p>	<p>12</p> <p>Make an angle addition postulate problem whose answer is $x = 12$.</p>	<p>13</p> <p>Make a segment addition postulate problem whose answer is $x = 13$.</p>	<p>14</p> <p>Simplify $\frac{18}{4} + \frac{19}{2}$.</p>	<p>15</p> <p>Simplify $\frac{5}{3} \div \frac{1}{9}$.</p>	<p>16</p> <p>Write a fraction multiplication word problem whose answer is 16.</p>	<p>17</p> <p>L, K, and M are collinear. K is between L and M. Find LK if $LK = 5x + 7$, $KM = 3x + 4$, and $LM = 27$.</p>
<p>18</p> <p>Write a fraction division word problem whose answer is 18.</p>	<p>19</p> <p>Find the slope of the line through the points $(5, 31)$ and $(4, 12)$.</p>	<p>20</p> <p>What is the y-intercept of the line parallel to $y = 3x - 5$ through the point $(-4, 8)$?</p>	<p>21</p> <p>What is the y-intercept of the line perpendicular to $y = -\frac{2}{5}x + 18$ through the point $(2, 26)$?</p>	<p>22</p> <p>Solve for x.</p> $5x + 16 = 8x - 50$	<p>23</p> <p>Simplify $34 - 13 + 18 \cdot 4 \div 6 - 10(9 - 2^3)$.</p>	<p>24</p> <p>Solve for x.</p> $2(3x - 18) = -5(x - 45) + 3$
<p>25</p> <p>D is in the interior of $\angle ABC$. $m\angle ABD = 20x - 10$, $m\angle CBD = 7x + 4$, and $m\angle ABC = 25x$. Find $m\angle CBD$.</p>	<p>26</p> <p>Find $f(-2)$ if $f(x) = -x^3 + 3x^2 - 15x - 24$.</p>	<p>27</p> <p>Draw an adjacent pair of angles whose measures add to 27°.</p>	<p>28</p> <p>An angle measures 22° less than 3 times its complement. Find the measure of the complement.</p>	<p>29</p> <p>Find the slope of the line through the points $(-10, -6)$ and $(-11, -35)$.</p>	<p>30</p> <p>An angle measures 30° less than 6 times its supplement. Find the measure of the supplement.</p>	<p>31</p> <p>$\angle QRT$ and $\angle TRS$ are complementary. $m\angle QRT = 6x - 11$ and $m\angle TRS = 10x - 11$. Find $m\angle QRT$.</p>