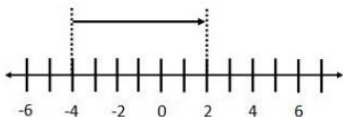
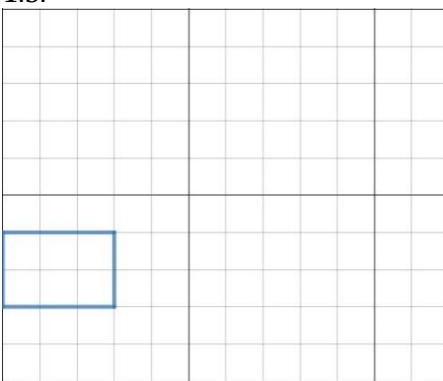
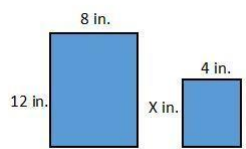
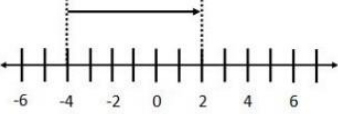
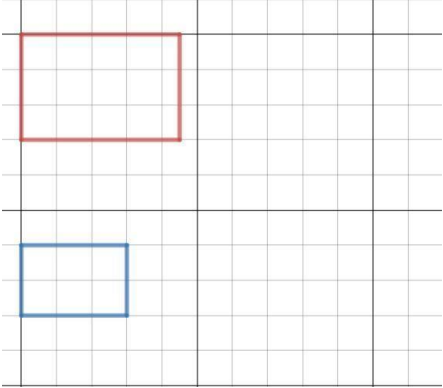
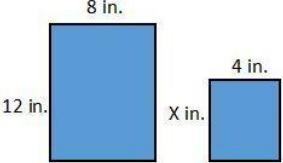


Tic Tac Math Spiral Review 7th Grade

Directions: This activity is like Tic-Tac-Toe. You can complete all the questions if you work independently or work with a partner. If you work with a partner, decide who will be "X" and who will be "O." Take turns solving each problem. Mark your "X" or "O" in the box you solve. The winner is the player who solves three-in-a-row. Don't forget to try to block your partner!

Jenny can walk 0.25 miles in 12 minutes. How far can she walk in an hour? A. 0.02 miles per hour B. 0.8 miles per hour C. 1.25 miles per hour D. 48 miles per hour <i>CC.7.RP.1</i>	What is the math problem that represents the given number line?  A. $-4 + 2 = 6$ B. $-4 + 6 = 2$ C. $2 - 6 = -4$ D. $2 - (-4) = 6$ <i>CC.7.NS.1</i>	Which of the following expressions are equivalent to the given expression? $4(x + 2) - 2x$ A. $2x + 2$ B. $4x - 6$ C. $2x + 6$ D. $2x + 8$ <i>CC.7.EE.1</i>
Which method collection would Sheri use to collect the most random sample as to how many people in her middle school like to draw? A. Ask everyone in her first period class B. Ask every seventh grader in the school. C. Ask for volunteers to come to the office to answer her survey. D. Ask 50 students in her school who are chosen by a computer selecting student ID numbers. <i>CC.7.SP.1</i>	Given the rectangle below, draw a rectangle that has a scale factor of 1.5.  <i>Image created using Desmos</i> <i>CC.7.G.1</i>	Given the two pictures below are proportional, what is the missing length in the second picture?  A. 24 inches B. 12 inches C. 6 inches D. 4 inches <i>CC.7.RP.2</i>
Which situation below would represent a quantity equal to zero? A. Betsy opened the window and Tom closed the window. B. Charles walked 5 miles while Charis only walked $\frac{1}{5}$ of a mile. C. Frank received a 100% on his Math quiz three weeks in a row. D. The temperature dropped 15 degrees in one day. <i>CC.7.NS.1a</i>	Caleb went out to eat at a restaurant and is trying to determine his tip. With x representing his total bill, which one of these ways is NOT a way to find his total bill with tip, if he wants to leave a 20% tip? A. $x + 0.20x$ B. $x + 0.20$ C. $1.2x$ D. $0.1x + x + 0.1x$ <i>CC.7.EE.2</i>	Brendan draws a triangle that has the angles 45 degrees, 90 degrees, and 45 degrees. How many other unique triangles could be drawn with these same qualities? A. There will be only 1 unique triangle so no other triangles can be drawn. B. It is impossible to draw a triangle with these requirements. C. Only 2 other unique triangles can be drawn. D. More than 2 unique triangles can be drawn. <i>CC.7.G.2</i>

Answer Key

Jenny can walk 0.25 miles in 12 minutes. How far can she walk in an hour? A. 0.02 miles per hour B. 0.8 miles per hour C. 1.25 miles per hour D. 48 miles per hour <i>CC.7.RP.1</i>	What is the math problem that represents the given number line?  A. $-4 + 2 = 6$ B. $-4 + 6 = 2$ C. $2 - 6 = -4$ D. $2 - (-4) = 6$ <i>CC.7.NS.1</i>	Which of the following expressions are equivalent to the given expression? $4(x + 2) - 2x$ A. $2x + 2$ B. $4x - 6$ C. $2x + 6$ D. $2x + 8$ <i>CC.7.EE.1</i>
Which method collection would Sheri use to collect the most random sample as to how many people in her middle school like to draw? A. Ask everyone in her first period class B. Ask every seventh grader in the school. C. Ask for volunteers to come to the office to answer her survey. D. Ask 50 students in her school who are chosen by a computer selecting student ID numbers. <i>CC.7.SP.1</i>	Given the rectangle below, draw a rectangle that has a scale factor of 1.5.  <i>Image created using Desmos</i> <i>CC.7.G.1</i>	Given the two pictures below are proportional, what is the missing length in the second picture?  A. 24 inches B. 12 inches C. 6 inches D. 4 inches <i>CC.7.RP.2</i>
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Tic Tac Math Spiral Review 6th Grade

Directions: This activity is like Tic-Tac-Toe. You can complete all the questions if you work independently or work with a partner. If you work with a partner, decide who will be "X" and who will be "O." Take turns writing each decimal as a percent or each percent as a decimal. Mark your "X" or "O" in the box you solve. The winner is the player who solves three-in-a-row. Don't forget to try to block your partner!

A craft store sells a pack of 20 pieces of colorful paper for \$2.40. What is the unit cost of each piece of paper in the pack? A. \$0.20 B. \$0.05 C. \$0.12 D. \$1.20 <i>CC.6.RP.A.2</i>	Which expression is equivalent to $47 - 18x - 11$? A. $2(18 - x)$ B. $9(4 - x) - 2$ C. $4(9 - 18x)$ D. $18(2 - x)$ <i>CC.6.EE.A.3</i>	A shape is made of 8 right triangles of equal size. Each right triangle has a base of 6 mm and a height of 9 mm. What is the total area, in square millimeters, of the shape? A. 216 B. 432 C. 108 D. 23 <i>CC.6.G.A.1</i>																								
All the employees who worked at a certain McDonalds on a given day either drove to work or took the bus. 30% of the employees took the bus 21 employees drove How many employees worked that day? A. 7 B. 28 C. 30 D. 36 <i>CC.6.RP.A.3c</i>	A rectangular sports field has a perimeter of 240 feet. The length of the field is twice the width. Write and solve an equation to determine the length, in feet, of the field. Then find the area, in square feet, of the field. <i>CC.6.EE.B.7</i>	What is the greatest common factor of 28 and 98? A. 2 B. 7 C. 14 D. 28 <i>CC.6.NS.B.4</i>																								
The relationship between the number of books John owns, J, and the number of books Zoe owns, Z, can be represented by the equation $J = Z + 18$. Which table of values represents the relationship between the number of books Zoe and John own? A. <table><tr><th>John's books</th><th>Zoe's books</th></tr><tr><td>8</td><td>18</td></tr><tr><td>10</td><td>18</td></tr></table> B. <table><tr><th>John's books</th><th>Zoe's books</th></tr><tr><td>28</td><td>10</td></tr><tr><td>43</td><td>25</td></tr></table> C. <table><tr><th>John's books</th><th>Zoe's books</th></tr><tr><td>6</td><td>24</td></tr><tr><td>9</td><td>27</td></tr></table> D. <table><tr><th>John's books</th><th>Zoe's books</th></tr><tr><td>11</td><td>29</td></tr><tr><td>19</td><td>36</td></tr></table> <i>CC.6.EE.C.9</i>	John's books	Zoe's books	8	18	10	18	John's books	Zoe's books	28	10	43	25	John's books	Zoe's books	6	24	9	27	John's books	Zoe's books	11	29	19	36	An equation is shown below. What value of m makes the equation true? $17 - m - 2 = 10$ A. 10 B. 5 C. 25 D. 15 <i>CC.6.EE.B.5</i>	There are 16 grams of fat in a 2-ounce serving of potato chips. How many grams of fat are in 3 ounces of those potato chips? A. 8 B. 16 C. 20 D. 24 <i>CC.6.RP.A.3b</i>
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10	18																									
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Answer Key

A craft store sells a pack of 20 pieces of colorful paper for \$2.40. What is the unit cost of each piece of paper in the pack? A. \$0.20 B. \$0.05 C. \$0.12 D. \$1.20 CC.6.RP.A.2	Which expression is equivalent to $47 - 18x - 11$? A. $2(18 - x)$ B. $9(4 - x) - 2$ C. $4(9 - 18x)$ D. $18(2 - x)$ CC.6.EE.A.3	A shape is made of 8 right triangles of equal size. Each right triangle has a base of 6 mm and a height of 9 mm. What is the total area, in square millimeters, of the shape? A. 216 B. 432 C. 108 D. 23 CC.6.G.A.1																								
All the employees who worked at a certain McDonalds on a given day either drove to work or took the bus. 30% of the employees took the bus 21 employees drove How many employees worked that day? A. 7 B. 28 C. 30 D. 36 CC.6.RP.A.3c	A rectangular sports field has a perimeter of 240 feet. The length of the field is twice the width. Write and solve an equation to determine the length, in feet, of the field. Then find the area, in square feet, of the field. $P = 2l + 2w$ $240 = 4w + 2w$ $240 = 6w$ $w = 40$ Length = 80 Area = 3200 CC.6.EE.B.7	What is the greatest common factor of 28 and 98? A. 2 B. 7 C. 14 D. 28 CC.6.NS.B																								
The relationship between the number of books John owns, J, and the number of books Zoe owns, Z, can be represented by the equation $J = Z + 18$. Which table of values represents the relationship between the number of books Zoe and John own? A. <table><tr><th>John's books</th><th>Zoe's books</th></tr><tr><td>8</td><td>18</td></tr><tr><td>10</td><td>18</td></tr></table> B. <table><tr><th>John's books</th><th>Zoe's books</th></tr><tr><td>28</td><td>10</td></tr><tr><td>43</td><td>25</td></tr></table> C. <table><tr><th>John's books</th><th>Zoe's books</th></tr><tr><td>6</td><td>24</td></tr><tr><td>9</td><td>27</td></tr></table> D. <table><tr><th>John's books</th><th>Zoe's books</th></tr><tr><td>11</td><td>29</td></tr><tr><td>19</td><td>36</td></tr></table> CC.6.EE.C.9	John's books	Zoe's books	8	18	10	18	John's books	Zoe's books	28	10	43	25	John's books	Zoe's books	6	24	9	27	John's books	Zoe's books	11	29	19	36	An equation is shown below. What value of m makes the equation true? $17 - m - 2 = 10$ A. 10 B. 5 C. 25 D. 15 CC.6.EE.B.5	There are 16 grams of fat in a 2-ounce serving of potato chips. How many grams of fat are in 3 ounces of those potato chips? A. 8 B. 16 C. 20 D. 24 CC.6.RP.A.3b
John's books	Zoe's books																									
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