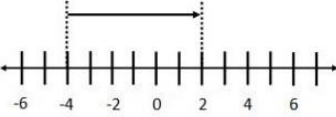
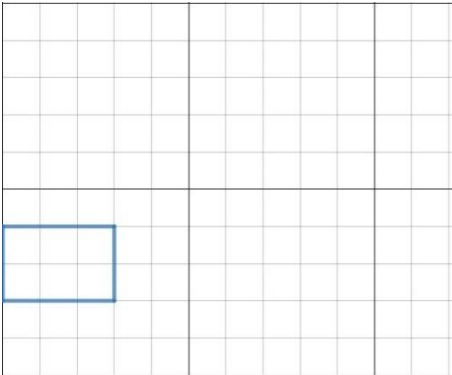
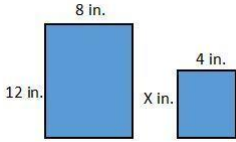


Tic Tac Math Spiral Review 7th Grade

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!

<p>Jenny can walk 0.25 miles in 12 minutes. How far can she walk in an hour?</p> <p>A. 0.02 miles per hour B. 0.8 miles per hour C. 1.25 miles per hour D. 48 miles per hour</p> <p style="text-align: right;"><i>CC.7.RP.1</i></p>	<p>What is the math problem that represents the given number line?</p> <div style="text-align: center;">  </div> <p>A. $-4 + 2 = 6$ B. $-4 + 6 = 2$ C. $2 - 6 = -4$ D. $2 - (-4) = 6$</p> <p style="text-align: right;"><i>CC.7.NS.1</i></p>	<p>Which of the following expressions are equivalent to the given expression?</p> <p style="text-align: center;">$4(x + 2) - 2x$</p> <p>A. $2x + 2$ B. $4x - 6$ C. $2x + 6$ D. $2x + 8$</p> <p style="text-align: right;"><i>CC.7.EE.1</i></p>
<p>Which method collection would Sheri use to collect the most random sample as to how many people in her middle school like to draw?</p> <p>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.</p> <p style="text-align: right;"><i>CC.7.SP.1</i></p>	<p>Given the rectangle below, draw a rectangle that has a scale factor of 1.5.</p> <div style="text-align: center;">  </div> <p style="text-align: center;"><i>Image created using Desmos</i></p> <p style="text-align: right;"><i>CC.7.G.1</i></p>	<p>Given the two pictures below are proportional, what is the missing length in the second picture?</p> <div style="text-align: center;">  </div> <p>A. 24 inches B. 12 inches C. 6 inches D. 4 inches</p> <p style="text-align: right;"><i>CC.7.RP.2</i></p>
<p>Which situation below would represent a quantity equal to zero?</p> <p>A. Betsy opened the window and Tom closed the window. B. Charles walked 5 miles while Charis only walked 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.</p> <p style="text-align: right;"><i>CC.7.NS.1a</i></p>	<p>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?</p> <p>A. $x + 0.20x$ B. $x + 0.20$ C. $1.2x$ D. $0.1x + x + 0.1x$</p> <p style="text-align: right;"><i>CC.7.EE.2</i></p>	<p>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?</p> <p>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.</p> <p style="text-align: right;"><i>CC.7.G.2</i></p>

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The temperature begins at 45° and then dropped 13° throughout the day. What is the current temperature?

- A. 13°
- B. 32°
- C. 45°
- D. 58°

CC.7.NS.1b

Given a circle with a diameter of 6 inches, find the area, using 3.14 for pi.

- A. 18.84 square inches
- B. 28.26 square inches
- C. 59.15 square inches
- D. 113.04 square inches

CC.7.G.4

Micah and his family spend \$25.15 at a restaurant. If the family wants to leave a 20% tip, how much would the total bill be?

- A. \$1.26
- B. \$5.03
- C. \$30.18
- D. \$26.41

CC.7.EE.3

George surveys 50 students in his middle school about what their favorite subject is.

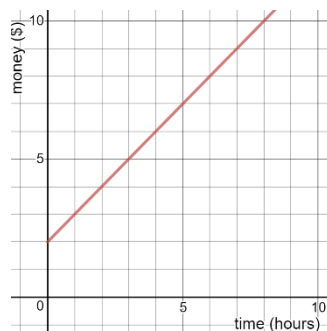
Subject	# of Students
Science	10
Social Studies	18
Language Arts	7
Math	15

Based on the results on the table, what would be the most reasonable estimation of how many of the entire school (150 students) choose Math as their favorite subject?

- A. 15
- B. 30
- C. 40
- D. 45

CC.7.SP.2

The graph below represents the relationship of time and money for a dog walker. Does this graph represent a proportional relationship? Why or why not?

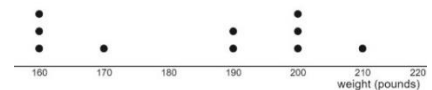


Picture created with Desmos.com

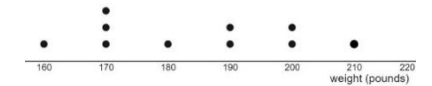
CC.7.RP.2a

The dot plots below represent the weights of 10 players for two different baseball teams.

Team 1



Team 2

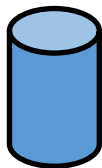


Which statement below is correct?

- A. Team 1 has a higher range than Team 2.
- B. Team 1 has a higher median than Team 2.
- C. Team 2 has a higher mean than Team 1.
- D. Team 2 has a higher MAD than Team 1.

CC.7.SP.3

Given the figure below, when it is sliced horizontally, what 2d shape will result?



- A. rectangle
- B. circle
- C. semicircle
- D. line

CC.7.G.3

Below are the results of the two teams' swim team scores.

Team 1	9.6	9.5	8.9	9.5
Team 2	9.2	10	9.5	9.3

Which is a true statement about the mean calculations?

- A. Both means are equal.
- B. Team 1 has a higher mean than Team 2.
- C. Team 2 has a higher mean than Team 1.
- D. The means are not able to be determined with only 4 numbers.

CC.7.SP.4

Sandy writes the problem $4 + 3 = 7$ on her paper. What is another equation that is equivalent?

- A. $4 + (-3)$
- B. $4 - (-3)$
- C. $(-4) + 3$
- D. $-4 - (-3)$

CC.7.NS.1c

Tic Tac Math Spiral Review 7th Grade

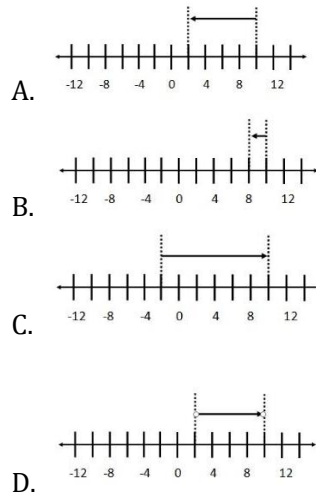
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Jason went with his friends to the movies. They spent a total of \$36. \$12 was spent on popcorn. The rest was spent on the tickets. If each ticket is \$6, how many people went to the movies (including Jason)?

- A. 2
- B. 4
- C. 6
- D. 8

CC.7.EE.4

George has \$10. He goes to the store and now has \$2. Which number line correctly represents this story?



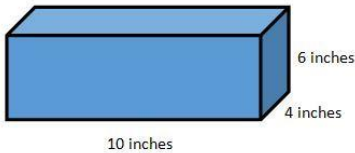
CC.7.NS.1c

A bag of marbles contains 4 blue marbles, 10 red marbles, 8 yellow marbles, and 6 green marbles. What are the chances of someone selecting a white marble?

- A. 0
- B. $\frac{1}{2}$
- C. 1
- D. Greater than 1

CC.7.SP.5

Jodi wants to wrap the present below. How much wrapping paper will she need?



- A. 120 square inches
- B. 123 square inches
- C. 240 square inches
- D. 248 square inches

CC.7.G.5

Scott is trying to determine what restaurant to go to for dinner. He has it narrowed down to a burger place or a chicken place. What could be an experiment he could develop to figure out where to go for dinner?

If a number cube (1-6) is rolled 100 times, about how many times would you expect the number cube to land on a 1?

- A. 10
- B. 17
- C. 25
- D. 34

CC.7.SP.7

CC.7.SP.6

Brandy flips a coin (H or T) and rolls a number cube (1-6). What is the probability of landing on "H" and rolling a "6"?

- A. $\frac{1}{12}$
- B. $\frac{1}{8}$
- C. $\frac{1}{4}$
- D. $\frac{1}{2}$

CC.7.SP.7a

What is the value of the given expression?

$$\frac{1}{2} + (-4 - 6) - 1\frac{1}{2}(6)$$

- A. -66
- B. $-18\frac{1}{2}$
- C. -18
- D. $-10\frac{1}{2}$

CC.7.NS.1d

Given the table below, what is the constant of proportionality?

X	1	2	4	5
Y	3	6	12	15

- A. $\frac{1}{3}$
- B. 1
- C. 3
- D. 6

CC.7.RP.2b

Tic Tac Math Spiral Review 7th Grade

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Stephanie goes to the store and buys oranges for \$0.50 per orange. If we let o stand for the number of oranges and c stand for cost, what would be the equation to represent if she purchases any number of oranges?

A. $o = 0.50c$
 B. $c = 0.50o$
 C. $o = 0.50c + 0.50$
 D. $c = 0.50o + 0.50$

CC.7.RP.2c

The Blazing Bolts football team ran for -4 yards for 3 plays in a row. Which expression would represent how many total yards they gained?

A. $-4 + 3$
 B. $4 + -3$
 C. -4×3
 D. 4×-3

CC.7.NS.2a

A rectangle has a perimeter of 24 cm and a length of 8 cm. What is the width of the rectangle?

A. 2 cm
 B. 4 cm
 C. 6 cm
 D. 8 cm

CC.7.EE.4a

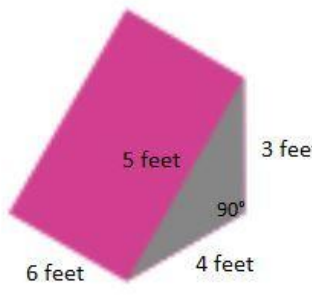
Solve the following expression (without a calculator).

$$\frac{3}{4} \left(1 - \frac{1}{8} \right) - \frac{3}{16}$$

A. $\frac{15}{32}$
 B. $\frac{18}{24}$
 C. $\frac{33}{64}$
 D. $\frac{7}{16}$

CC.7.NS.2

Find the volume of the following figure.



CC.7.G.6

Alex conducted an experiment and recorded the number of times a spinner landed on red (R) and number of times it landed on green (G).

R	R	R	G	R	R	G
R	G	R	R	R	R	R

Based on the results, what would be the most reasonable conclusion of what the spinner looks like?

A. The spinner is 50% red and 50% green.
 B. The spinner is 75% red and 25% green.
 C. The spinner is 90% red and 10% green.
 D. The spinner is 25% red and 75% green.

C.7.SP.7b

What is the theoretical probability of landing on Heads exactly twice if a fair coin is flipped 3 times?

A. $\frac{1}{8}$
 B. $\frac{3}{8}$
 C. $\frac{1}{2}$
 D. $\frac{5}{8}$

CC.7.SP.8

Solve the following problem without using a calculator.

$$-256 \div 4 =$$

A. -74
 B. -64
 C. 64
 D. 74

CC.7.NS.2b

Colby rolls a number cube (1-6) and flips a coin. What is the probability of him landing on a 5 and heads?

A. $\frac{1}{12}$
 B. $\frac{1}{6}$
 C. $\frac{1}{4}$
 D. $\frac{1}{2}$

CC.7.SP.8a

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<p>Given the following graph of distance (y-axis) versus time (x-axis), which coordinate would represent the distance traveled per second?</p> <p style="text-align: right; font-size: small;"><i>Image created with Desmos.com</i></p> <p>A. (5, 15) B. (1, 3) C. (3, 1) D. (10, 30)</p> <p style="text-align: right;"><i>CC.7.RP.2d</i></p>	<p>Rachel bought a sweater for \$20 and had to pay 6% tax. Which proportion would arrive at the correct answer of how much the sweater is including tax, x?</p> <p>A. $\frac{20}{100} = \frac{6}{x}$ B. $\frac{20}{100} = \frac{x}{6}$ C. $\frac{20}{106} = \frac{x}{6}$ D. $\frac{20}{100} = \frac{x}{106}$</p> <p style="text-align: right;"><i>CC.7.RP.3</i></p>	<p>In a probability event where a coin is flipped and number cube is rolled, what are all the possible outcomes?</p> <p>A. {(H,1),(H,2),(H,3),(H,4),(H,5),(H,6), (T,1),(T,2),(T,3),(T,4),(T,5),(T,6)}</p> <p>B. {(H,1),(H,3),(H,5),(T,2),(T,4),(T,6)}</p> <p>C. {(H,H),(T,T),(1,1),(2,2),(3,3),(4,4), (5,5),(6,6)}</p> <p>D. {(H,T)(1,2,3,4,5,6)}</p> <p style="text-align: right;"><i>CC.7.SP.8b</i></p>
<p>Allyson went to the store and bought 4 gallons of milk for \$1.20 each, 5 apples for \$0.18 each, and a loaf of bread for \$1.45. How much was her bill?</p> <p>A. \$6.23 B. \$7.15 C. \$8.60 D. \$15.25</p> <p style="text-align: right;"><i>CC.7.NS.3</i></p>	<p>Convert $\frac{5}{9}$ to a decimal using long division. Does the decimal terminate or repeat?</p> <p style="text-align: right;"><i>CC.7.NS.2d</i></p>	<p>Joseph makes \$10 an hour, h, plus \$20 in weekly bonus. If he wants to make more than \$460 this week, which inequality would represent this expression?</p> <p>A. $10h + 20h < 460$ B. $10 + 20h > 460$ C. $10h + 20 > 460$ D. $10 + 20h < 460$</p> <p style="text-align: right;"><i>CC.7.EE.4b</i></p>
<p>Frank has a normal deck of 52 cards. If he draws a card at random, what is the probability he will choose a card of Spades?</p> <p>A. 0 B. $\frac{1}{52}$ C. $\frac{1}{13}$ D. $\frac{1}{4}$</p> <p style="text-align: right;"><i>CC.7.SP.8a</i></p>	<p>-5 and a number, n, were multiplied together to get the answer of $\frac{1}{5}$. What is the value of n?</p> <p>A. -1 B. $-\frac{1}{5}$ C. 5 D. $\frac{1}{5}$</p> <p style="text-align: right;"><i>CC.7.NS.2c</i></p>	<p>A fisherman while trying to predict a fish population, designed a probability experiment where the numbers 0-9 represent 10 different types of fish. Out of 50 draws, he selects "2" (the catfish) 10 times. Based on this experiment, what would be a reasonable prediction for how many catfish are in a pond with 150 fish?</p> <p>A. 15 B. 30 C. 45 D. 60</p> <p style="text-align: right;"><i>CC.7.SP.8c</i></p>

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<p>Harry can clean 2 cars in $\frac{1}{4}$ of an hour. How many cars can he clean per hour?</p> <p>A. 4 cars B. 6 cars C. 8 cars D. 10 cars</p> <p style="text-align: right;"><i>CC.7.RP.1</i></p>	<p>Betsy runs her own cake business and had to pay \$135 for electricity and \$3.50 for each cake that was made. If she made 100 cakes last month, how much income would she need to make to break even for the month?</p> <p>A. \$135 B. \$215 C. \$350 D. \$485</p> <p style="text-align: right;"><i>CC.7.NS.1a</i></p>	<p>Mark begins on the 3rd floor of an elevator and travels up 7 floors, down 4 floors and up 2 floors. What floor does he end up on?</p> <p>A. 5th B. 6th C. 7th D. 8th</p> <p style="text-align: right;"><i>CC.7.NS.1b</i></p>
<p>Which expression is equivalent to the following expression?</p> <p style="text-align: center;">$4(x + 5) - 2(x - 1)$</p> <p>A. $2x + 6$ B. $2x + 22$ C. $2x + 4$ D. $2x + 18$</p> <p style="text-align: right;"><i>CC.7.EE.1</i></p>	<p>Draw a number line to represent the following problem.</p> <p style="text-align: center;">$-1 - 5$</p> <p style="text-align: right;"><i>CC.7.NS.1</i></p>	<p>A square has a side length of 4 inches is enlarged to be 3 times larger. How will the areas compare?</p> <p>A. The new area will be 3 times larger. B. The new area will be 9 times larger. C. The new area will be 12 times larger. D. The new area will be 16 times larger.</p> <p style="text-align: right;"><i>CC.7.G.1</i></p>
<p>If a person wanted to estimate the population of people in the city who ride the subway, what would be the best way to collect this information?</p> <p>A. Ride the subway and count the number of people who are seen throughout the day. B. Go to a local police station and ask them to predict the number. C. Walk up to 50 people on the street and ask them if they ride the subway. D. Work with the subway system to create a poll for the city people to fill out next time they are doing a city-wide census or another similar event.</p> <p style="text-align: right;"><i>CC.7.SP.1</i></p>	<p>Select the best estimate for the number of people who wear glasses at the newscast television station if in a sample, 8 out of the 20 people wear glasses and there are 250 total people who work at the station.</p> <p>A. 40 B. 60 C. 80 D. 100</p> <p style="text-align: right;"><i>CC.7.SP.2</i></p>	<p>Jeff knows the two picture frames are similar in shape. If the one frame is 8 inches by 10 inches, the other frame could be 12 inches by what?</p> <p>A. 8 inches B. 9.6 inches C. 13 inches D. 15 inches</p> <p style="text-align: right;"><i>CC.7.RP.2</i></p>

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<p>The top 5 long jumps (in feet) for 2 schools are listed below.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <tr> <td style="width: 10%;">School 1</td> <td style="width: 10%;">13</td> <td style="width: 10%;">12</td> <td style="width: 10%;">17</td> <td style="width: 10%;">18</td> <td style="width: 10%;">16</td> </tr> <tr> <td>School 2</td> <td>19</td> <td>17</td> <td>13</td> <td>13</td> <td>13</td> </tr> </table> <p>What is a true statement about the comparison of these two schools?</p> <p>A. School 1's mean is higher than school 2's mean. B. School 1's range is higher than schools 2's range. C. School 1's mean is lower than school 2's mean. D. School 1's median is lower than school 2's median.</p> <p style="text-align: right;"><i>CC.7.SP.3</i></p>	School 1	13	12	17	18	16	School 2	19	17	13	13	13	<p>Deals Pizza Company just released their new prices on pizzas.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <tr> <td style="width: 10%;"># of pizzas</td> <td style="width: 10%;">1</td> <td style="width: 10%;">3</td> <td style="width: 10%;">4</td> <td style="width: 10%;">5</td> <td style="width: 10%;">8</td> </tr> <tr> <td>Cost</td> <td>12</td> <td>?</td> <td>48</td> <td>60</td> <td>96</td> </tr> </table> <p>What would be the missing value to keep this a proportional relationship?</p> <p>A. 24 B. 30 C. 36 D. 40</p> <p style="text-align: right;"><i>CC.7.RP.2a</i></p>	# of pizzas	1	3	4	5	8	Cost	12	?	48	60	96	<p>Samantha is starting a t-shirt business and begins selling t-shirts 5 for \$37.50. What is the constant of proportionality in this situation?</p> <p>A. 1 B. 5 C. 7.50 D. 37.50</p> <p style="text-align: right;"><i>CC.7.RP.2b</i></p>
School 1	13	12	17	18	16																					
School 2	19	17	13	13	13																					
# of pizzas	1	3	4	5	8																					
Cost	12	?	48	60	96																					
<p>Solve the following expression.</p> $-2.5 + 4.2 - \left(-\frac{1}{4}\right)$ <p>A. 1.45 B. 1.95 C. 2.05 D. 2.55</p> <p style="text-align: right;"><i>CC.7.NS.1d</i></p>	<p>Draw a triangle that has 1.5-inch side, 1-inch side and 35 degree angle.</p> <p style="text-align: right;"><i>CC.7.G.2</i></p>	<p>Find the distance between -4 and 10 on the number line.</p> <p>A. 4 B. 6 C. 10 D. 14</p> <p style="text-align: right;"><i>CC.7.NS.1c</i></p>																								
<p>Andrea writes the expression $p - 0.2p$ to represent a sweater price that is on sale for 20% off. What is an equivalent expression as to how she can find the price of the sweater?</p> <p>A. $p(1 - 0.2)$ B. $1.2p$ C. $0.2(p - 1)$ D. $1.2p - p$</p> <p style="text-align: right;"><i>CC.7.EE.2</i></p>	<p>Jerry is doing a word study and he read chapter one in a book. Out of the 1,055 words, 65 of those were the word "the." Based on this, if a book has 3,160 words, about how many of those words should we expect to be the word "the"?</p> <p>A. 65 B. 104 C. 130 D. 195</p> <p style="text-align: right;"><i>CC.7.SP.4</i></p>	<p>What is the probability of it snowing in the middle of June?</p> <p>A. 0 B. $\frac{1}{2}$ C. 1 D. This cannot be answered until more information is given.</p> <p style="text-align: right;"><i>CC.7.SP.5</i></p>																								

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George decides to toss a plastic bottle up in the air. He records the number of times it lands on its side (S), upside down (U) and right side up (R).

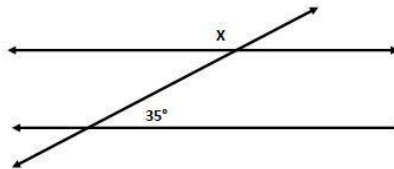
S	S	S	R	S	S	S
S	S	S	S	R	S	S

Which of the following statements is a true statement?

- A. These results do not show what should have happened because there should have been a fair chance of landing on the side, upside down and right side up.
- B. These results are to be expected because it would be impossible for the bottle to land upside down.
- C. These results do not show what should have happened because it never landed upside down.
- D. These results are to be expected as it is not a fair chance to land on each outcome because it is much easier to land on the side than upside down or right side up.

CC.7.SP.7b

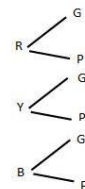
Given the set of parallel lines below, what equation can I use to find the value of x ?



- A. $2x + 35 = 180$
- B. $2x + 35 = 360$
- C. $x + 35 = 180$
- D. $x + 70 = 360$

CC.7.G.5

Below is a tree diagram representing an experiment with spinners.



Key: R=Red, G=Green, P=Purple, Y=Yellow, B=Blue

Which of the following choices describes the experiment?

- A. There are 5 spinners, one of each color, that are each spun one time.
- B. There are 3 spinners that are spun one time each. One has red, green, and purple. The second has yellow, green and purple. The third has blue, green and purple.
- C. There are 6 spinners, each spun one time. There is a yellow spinner, red spinner, and blue spinner. There are three spinners that each have green and purple.
- D. There are 2 spinners, each spun one time. The first spinner is red, yellow, and blue. The second spinner is green and purple.

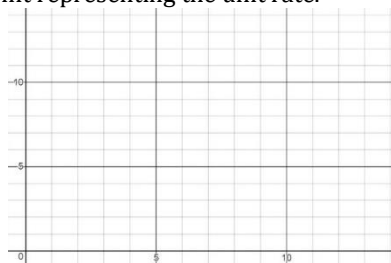
CC.7.SP.8

If the circumference of a circle is 6π , what is the area of the circle?

- A. 6π
- B. 9π
- C. 18π
- D. 36π

CC.7.G.4

Draw a graph that represents the proportional relationship where (1,4) is a point representing the unit rate.



Graph created with desmos.com

CC.7.RP.2d

Cameron is selling his baseball cards for \$4 a card, c . What is an equation that can represent how much money, m , Cameron has if he is beginning with \$25.

- a. $c = 4m + 25$
- b. $m = 25 - 4c$
- c. $25 = 4c + m$
- d. $m = 4c + 25$

CC.7.EE.4

If a fair spinner that has four equal sections is spun one time and a fair six-sided number cube is rolled one time, how many different outcomes should we expect?

- A. $\frac{1}{24}$
- B. 24
- C. $\frac{1}{10}$
- D. 10

CC.7.SP.8a

Which one of the following fractions would be a repeating decimal?

- A. $\frac{1}{8}$
- B. $\frac{1}{9}$
- C. $\frac{3}{4}$
- D. $\frac{13}{16}$

CC.7.NS.2d

Solve the following expression.

$$\frac{-4}{5}(-3) \div \frac{3}{7}$$

- A. $\frac{-84}{15}$
- B. $\frac{84}{45}$
- C. $\frac{-84}{45}$
- D. $\frac{84}{15}$

CC.7.NS.2c

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!

Nathaniel is doing an experiment where he chooses a marble from a bag and flips a fair coin. If the bag is full of 3 red marbles and 3 green marbles, what is the probability of him choosing a red marble and flipping "heads"?

- A. $\frac{1}{6}$
- B. $\frac{1}{4}$
- C. $\frac{1}{2}$
- D. $\frac{3}{2}$

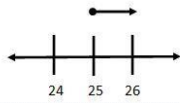
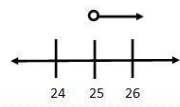
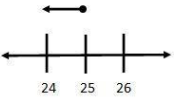
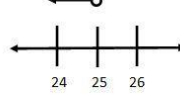
CC.7.SP.8a

Sarah is purchasing a television set with a 15% off discount. If the television set is originally \$450, which proportion would help me find the **new price**, x , with the discount?

- A. $\frac{450}{85} = \frac{x}{15}$
- B. $\frac{450}{100} = \frac{x}{15}$
- C. $\frac{450}{x} = \frac{85}{100}$
- D. $\frac{450}{100} = \frac{x}{85}$

CC.7.RP.3

Beth has a cookie business and wants her expenses to be less than \$150 this week. If the inequality she sets up is, $4c + 50 < 150$ where c is the number of cookies. Which number line represents a solution to this inequality?

- A. 
- B. 
- C. 
- D. 

CC.7.EE.4b

Solve the following expression.

$$\frac{1}{4} \left(2\frac{1}{2} - \frac{1}{3} \right) - \frac{3}{4} \div \frac{-1}{2}$$

- A. $\frac{-23}{24}$
- B. $\frac{5}{12}$
- C. $\frac{-1}{2}$
- D. $2\frac{1}{24}$

CC.7.NS.3

Design an experiment that Steven could use to predict how many of the deer population in the area are deer that have been tagged for research.

CC.7.SP.8c

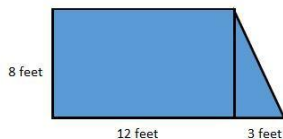
Solve for x .

$$3(x - 4) = 21$$

- A. 3
- B. $5\frac{2}{3}$
- C. $8\frac{2}{3}$
- D. 11

CC.7.EE.4a

Find the area of the composite figure below.



- A. 84 square feet
- B. 96 square feet
- C. 108 square feet
- D. 120 square feet

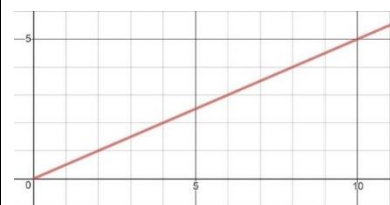
CC.7.G.6

If two number cubes (1-6) are rolled, how many of the possible outcomes would include the number "5"?

- A. 5
- B. 10
- C. 11
- D. 25

CC.7.SP.8b

Find the unit rate in the graph below.




- A. 0
- B. $\frac{1}{2}$
- C. 2
- D. 5

CC.7.RP.2b

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!

<p>Jackie can run 4 miles in $\frac{3}{4}$ of an hour. Which ratio below would represent the distance she runs per minute?</p> <p>A. $\frac{4}{\frac{3}{4}}$ B. $\frac{4}{45}$ C. $\frac{60}{4}$ D. $\frac{3}{4}$</p> <p style="text-align: right;"><i>CC.7.RP.1</i></p>	<p>Marty graphed his distance (in kilometers) versus his time (in minutes) for a race he just completed. What would the point (1, 0.2) represent?</p> <p>A. It takes Marty 0.2 of an hour to run 1 kilometer. B. Marty can run 0.2 kilometers per minute. C. In one minute, Marty runs 2 kilometers. D. It takes Marty 0.2 minutes to run 1 kilometer.</p> <p style="text-align: right;"><i>CC.7.RP.2d</i></p>	<p>Allen buys 2½ dozen doughnuts and gives 1/4 of them to his friends and then the rest of them he divides evenly between his 3 daughters. How much of a dozen will be given to each of his daughters?</p> <p>A. $\frac{5}{24}$ B. $\frac{7}{12}$ C. $\frac{5}{8}$ D. $\frac{3}{4}$</p> <p style="text-align: right;"><i>CC.7.NS.3</i></p>
<p>Katelyn is a player on her school's golf team. This week, she scored a -2, 5, 1, and -1. If she scores a 4 on her next game, what is her total for the week?</p> <p>A. 5 B. 7 C. 11 D. 13</p> <p style="text-align: right;"><i>CC.7.EE.3</i></p>	<p>Colton makes \$12 from each outdoor game that he sells. This past month, he spent \$500 in parts for his game. Write an inequality and solve to represent at least how many games he needs to sell to break even in his business.</p> <p style="text-align: right;"><i>CC.7.EE.4b</i></p>	<p>What is the 2d shape that will result if the figure below is sliced horizontally?</p> <div style="text-align: center;">  </div> <p>A. Triangle B. Rectangle C. Trapezoid D. Square</p> <p style="text-align: right;"><i>CC.7.G.3</i></p>
<p>What is the estimated probability that your best friend will have a birthday this upcoming year?</p> <p>A. 0 B. $\frac{1}{2}$ C. 1 D. This cannot be determined from the information given.</p> <p style="text-align: right;"><i>CC.7.SP.5</i></p>	<p>Angles x and y are supplementary angles. We also know that angle x is twice the size as angle y. Based on this information, what is an equation we can write to find the value of angle y?</p> <p>A. $y + 2y = 180$ B. $y + y = 180$ C. $y + 2x = 90$ D. $y + x = 90$</p> <p style="text-align: right;"><i>CC.7.G.5</i></p>	<p>Greg lost 45 dollars in the past 3 months. He wants to find out how much money he lost each month. Which division problem WILL NOT give him the correct answer?</p> <p>A. $\frac{-45}{3}$ B. $\frac{-45}{-3}$ C. $\frac{45}{-3}$ D. $-\left(\frac{45}{3}\right)$</p> <p style="text-align: right;"><i>CC.7.NS.2b</i></p>