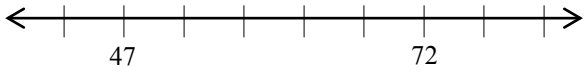
Name(s): _____ Date: ____/____/____ Period: ____

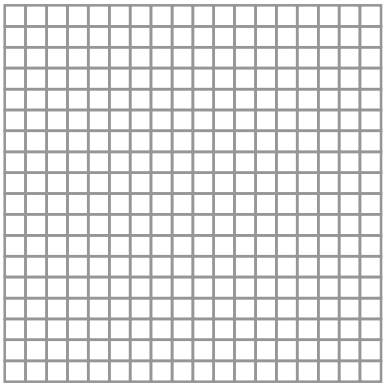
CC2 – Chapter 2 Team Assessment

1. Complete the scale on the number line at right.



2. Below is a table of data Jacob collected while watching last week's basketball game. Set up an appropriate scale, label your axes, and plot the data from the table on the grid at right.

Minutes since start of the game	# of people at the concession stand
4	24
12	15
16	12
24	9



3. Esme read eight pages from her science book last night, and it took her 20 minutes.

   a) How many pages does Esme read per minute?

   b) How long will it take her to read tonight's homework, which is 30 pages long? Explain and/or show your reasoning.

4. I have six blue tiles, seven green tiles, five yellow tiles and three red tiles in a bag. I shake the bag, reach in, and pull out a tile at random.

   a) What is the probability that the tile will **NOT** be green? How do you know?

   b) What is the probability the tile is yellow or red? Why? Explain.

5. Fill in the table to show the different forms of each number.

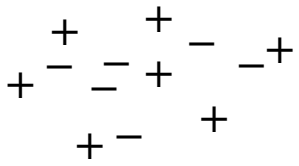
Fraction	Decimal	Percent
$\frac{4}{5}$		
	0.036	
		125%

Show work for 4/5 Show work for 0.036 Show work for 125%

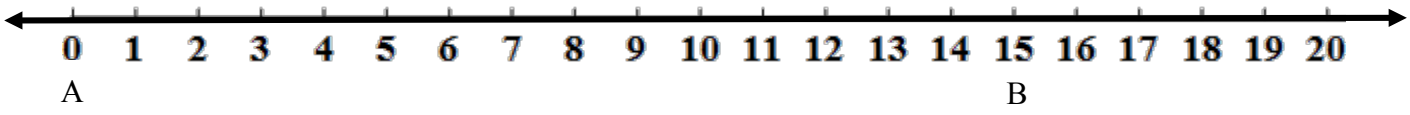
6. Will the decimal form of $\frac{5}{11}$ repeat or terminate? Show your work on the right. Explain how you know. Be clear and use complete sentences.

7. Adding Integers.

a) After playing Rock – Paper – Scissors (a plus means a win and a minus means a loss), Frank had the pile of tiles shown at right. What is the value of his tiles? Explain how you know.



b) Cecil's challenge. Walk the tightrope of 15 feet. You may only walk in steps of 2 ft., 7 ft., and 10 ft. in either direction. Show how Cecil can make it to the ladder and finish his routine if he starts at 0. Write the expression and illustrate his movement.



8. Multiply. Do not use a calculator. Show your work in two ways. Use the algorithm method and either the rectangle method or the generic rectangle method. Use one method to check the other.

a. $\frac{2}{3} \cdot \frac{1}{2} =$

b. $\left(1\ \frac{2}{5}\right)\left(\frac{1}{3}\right) =$

c. $\left(2\frac{1}{2}\right)\left(3\frac{1}{4}\right) =$

9. Write 0.**56 repeating** as a fraction. How do you know your answer is correct? Explain.

10. A right triangle has an area of 20 square inches.

a) If the base is 5 inches, what is the height? Show your work.

b) Draw the triangle and label its base and height to the right.