BOLDED – CALCULATOR OKAY
NOT BOLDED – DO NOT USE CALCULATOR

TUESDAY
1. Translate each of the following to a percent equation and solve.

a. 12 is what percent of 30?

b. What percent of 200 is 290?

2. Complete each of the missing boxes with the appropriate decimal, fraction, or percent.

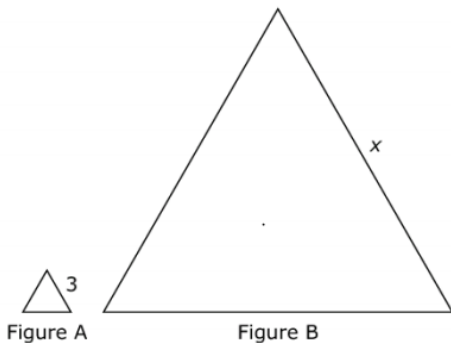| Fraction	Decimal	Percent
$\dfrac{7}{8}$		
	2.4	
		62%
	0.01	

3. (Calculator okay)

A bag contains 16 marbles. There are 5 blue, 9 yellow, and 2 red marbles. One marble is selected at random.

Determine whether each statement correctly describes the likelihood of an event based on the given bag of marbles. Select True or False for each statement.

	True	False
It is impossible that a green marble will be selected.	☐	☐
It is unlikely that a yellow marble will be selected.	☐	☐
It is certain that a blue marble will be selected.	☐	☐
It is unlikely that a red marble will be selected.	☐	☐

WEDNESDAY
1. Figure A is a scale image of Figure B. The scale that maps Figure A onto Figure B is 1:4. Find the value of 'x' on Figure B. (*hint: 1:4 is a ratio…use that to set up a proportion to solve*)

Figure A   Figure B

2. Solve the proportion.

a. $\dfrac{10}{p} = \dfrac{6}{9}$

b. $\dfrac{3x}{10} = \dfrac{9}{4}$

3. <u>Explain</u> how you can compute the following numbers WITHOUT using a calculator:

    a. 10% of 123

    b. 40% of 500

    c. 20% of 189

4. Simplify the expressions by combining like terms:

a. $8y - 3 - 10y - 6$

b. $\dfrac{1}{2}x + 3x - \dfrac{2}{5}$

THURSDAY

1. Tell which number is greater. Show work to support your statement.
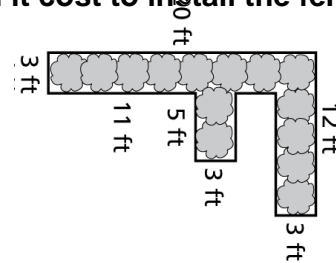
a. $\dfrac{17}{20}$, 95%

b. 30%, 0.03

c. 150%, 0.15

d. $\dfrac{3}{25}$, 11%

2. The school garden at Frankfurt Middle School is in the shape of an "F." A fence is to be built around the garden. The fence costs $2.75 per foot. How much will it cost to install the fence? Explain how you found your answer.

3. (Calculator okay)

David goes into a candy store with $5.00. He buys 9 peppermints for $0.15 each, and some sour candies. Each sour candy costs $0.25.

Enter the maximum number of sour candies David can buy.

4. Of the 60 students in the seventh grade, 70% own a pet. How many of the seventh grade students _do not_ own a pet?

5. Translate each of the following to a percent equation and solve.

a. $\dfrac{7}{8}$ is 70% of what number?

b. **What is 140% of 86.8?**