Take out the second sheet from Friday.

1. There are 12 inches in each foot. Write an equation for the number of inches in an unknown number of feet. Define your variables.

I= 12. F

Variables: I = # inches F = # feet

3. There are are 3.8 Liters in every Gallon. Write an equation for the number of Liters in an unknown number of Gallons. Define your variables.

2. There are 1.6 kilometers in each mile. Write an equation for the number of miles in an unknown number of kilometers. Define your variables.

Variables:
$$M = \# mi$$

4. Write an equation to model the relationship shown in the table. Define your variables.

# inches	#centimeters
4	10.16
7	17.78
10	25.4
13	33.02

Variables:

5.	Number of people	Amount of money raised
J.	6	\$300
	8	\$400
	10	\$500
	12	\$600

EQ:

7	-50X
1	10 /

#miles drive	Distance remaining on 100 mile bike ride
20	80
35	65
58	42

7.

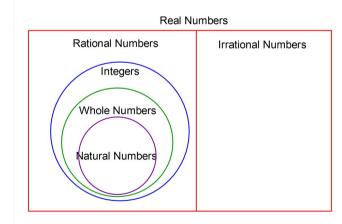
M + R = 100 Variables: M = # miles druen M = 100 - R R = # miles remaining

$$M = 100 - R$$
 $R = 100 - M$

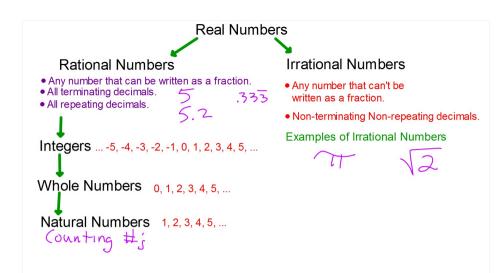
6.	Mary's age	Amani's age
	6	8
	9	11
	12	14
	15	17

EQ:

Variables: M = mary's age A = Amanis age



N R R lrı In



b. 17 irrational

7 is not a perfect source
So 17 is irrational

List ALL the categories of Real Numbers that each of the following numbers belongs to.

a. 1.73

Rational

It's a terminating decimal.

Since it has a decimal part it is not an Integer and therefore, not a Whole Number or a Natural Number.