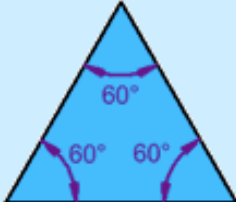




Robotics Final Reflection:

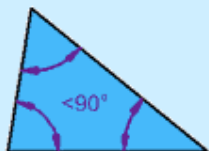
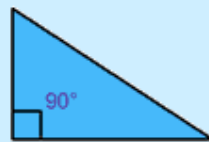
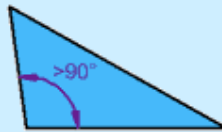
If you could share any advice about robotics and programming with someone who is just starting out what would you say?

Classifying Triangles

 An equilateral triangle with three equal sides and three interior angles, each labeled 60°.	Equilateral Triangle Three equal sides Three equal angles, always 60°
 An isosceles triangle with two equal sides and two equal angles, indicated by tick marks and equals signs.	Isosceles Triangle Two equal sides Two equal angles
 A scalene triangle with no equal sides and no equal angles.	Scalene Triangle No equal sides No equal angles

What Type of Angle?

Triangles can also have names that tell you what **type of angle** is inside:

 An acute triangle with three interior angles, each labeled <math><90^\circ</math>.	Acute Triangle All angles are less than 90°
 A right triangle with one interior angle labeled 90° and a right-angle symbol.	Right Triangle Has a right angle (90°)
 An obtuse triangle with one interior angle labeled >math>>90^\circ</math>.	Obtuse Triangle Has an angle more than 90°

Adding Up the Angles

Materials:

- paper
- pencil
- ruler
- scissors
- 3 colours

Procedure:

1. Draw a triangle on this page and cut it out. Be sure to use a ruler.
2. Colour each angle a different colour
3. Rip off the corners of the triangle.
4. Fit the three corners together around a single point. What do you get?
5. Check out your classmates. What do you notice?

Picture Prompt-What ideas do you get from this picture? What is happening? Where are they? What time of year is it? Who are these people? What objects could you use?



Picture Prompt-What ideas do you get from this picture? What is happening? Where is this? What time of year is it? Who is this person? What objects could you use?



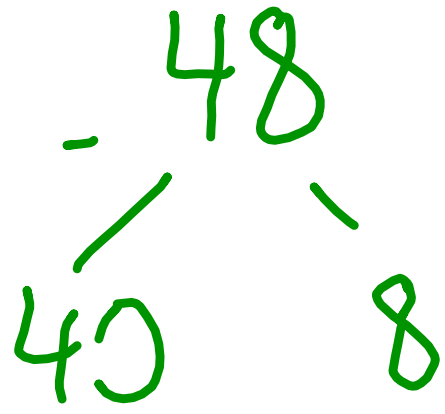
Spl. Hing
into groups

$$48 \div 4 = 12$$

$$4 \times 11 = 44$$
$$4 \times 1 = 4$$
$$11 + 1 = 12$$

$$48 \div 2 = 24$$

$$\frac{48}{2} = 24$$



$$\frac{24}{2} = 12$$

$$40 \div 4 = 10$$

$$8 \div 4 = 2$$

$$\begin{array}{r} 40 \div 4 = 10 \\ + 8 \\ \hline + 2 \\ \hline 12 \end{array}$$

300 24
 ↙
6 × 4 = 24

100 ÷ 4 = 25
 100 ÷ 4 = 25
 100 ÷ 4 = 25

75 + 6 = 81

324 ÷ 4

4 × 8 = 32
 4 × 4 = 4

320 4
 4 × 80 = 320
 4 × 1 = 4

320 ÷ 4 = 80
 4 ÷ 4 = 1

divisor quotient
 4 | 324
 -32

 04
 -4

 0

81

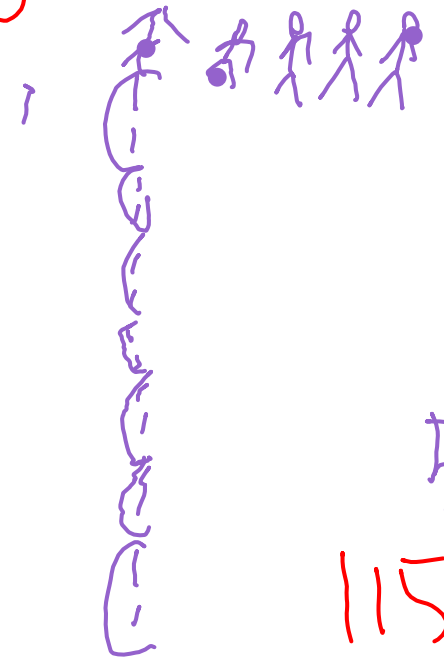
dividend

$$\begin{array}{r}
 115 \\
 5 \overline{) 575} \\
 \underline{5} \\
 0 \\
 \underline{0} \\
 0 \\
 \underline{0} \\
 0
 \end{array}$$

$5 \times 1 = 5$
 $5 \times 1 = 7$
 $5 \times 5 = 25$

$$575 \div 5$$

$$\begin{array}{r}
 575 \\
 500 \quad 75 \\
 500 \div 5 = 100 \\
 70 \quad 5 \\
 35 \quad 5 \\
 5 \times 7 = 35 \\
 7 + 7 = 14 \\
 5 \div 5 = 1 \\
 100 + 14 + 1 \\
 115
 \end{array}$$



$$5 \div 500$$

115

$$\begin{array}{r}
 5 \times 50 = 250 \\
 5 \times 50 = 250 \\
 \hline
 500
 \end{array}$$

$$75 \div 5 = 15$$

$$50 + 50 + 15 = 115$$

Write a problem for the following equations:

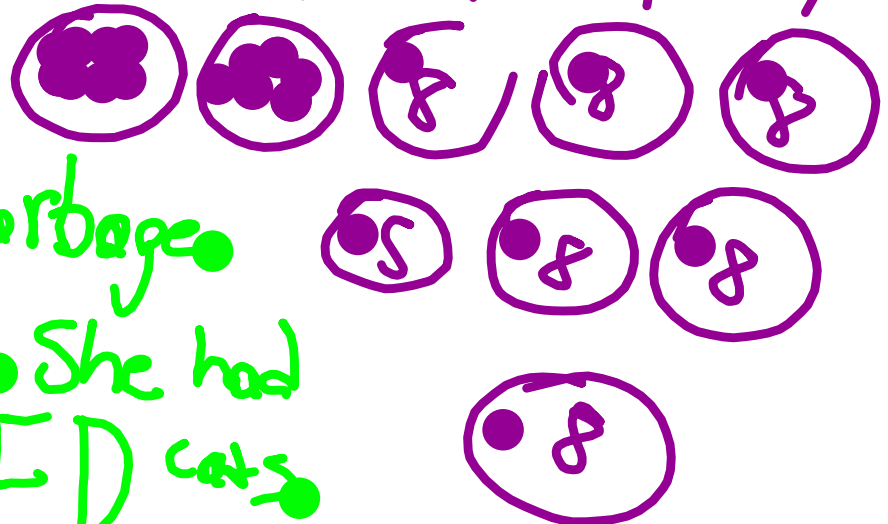
$$9 \times _ = 72$$

$$72 \div 9 =$$

$$9 \sqrt{72}$$

$$98 \div 7 =$$

9, 18, 27, 36, 45, 54, 63, 72



Sally jumped into the garbage. She found 72 stray cats. She had 9 friends that LOVED cats. How many cats would Sally give to each friend? By the way, the cats all had rabies so everyone had to go to the hospital.

$$72 \div 9 = 8$$

$\div 2$

$$36 \div 9 = 4$$

$\times 2$

$$2 \times 3 = 6$$

Use division and multiplication equations to show how the numbers are related

$$6 \div 3 = 2$$

$$6 \div 2 = 3$$

a. 8, 3, 24 - $8 \times 3 = 24$ | $24 \div 3 = 8$

b. 12, 12, 144 $12 \times 12 = 144$ $144 \div 12 = 12$

c. 72, 9, 8 $8 \times 9 = 72$ $72 \div 8 = 9$

$$12 \times 10 = 120$$

$$12 \times 1000 = 12000$$

$$11 \div 100$$

$$12 \div 10 = 1.2$$

$$\frac{11}{100} = 0.11$$

$$11 \div 100 =$$

$$\begin{array}{r} 11 \div 100 \\ \hline 100 \\ \cdot 10 \\ \hline 0 \end{array}$$

$$14 \div 1000 = 0.014$$

$$14 \div 100 = 0.14$$

$$0.040$$

$$\frac{40}{1000} = \frac{4}{100}$$

$$1000 \text{ watts} = 1 \text{ Kw}$$

$$40 \text{ watts} =$$

$$\frac{40 \text{ w}}{1000}$$

m

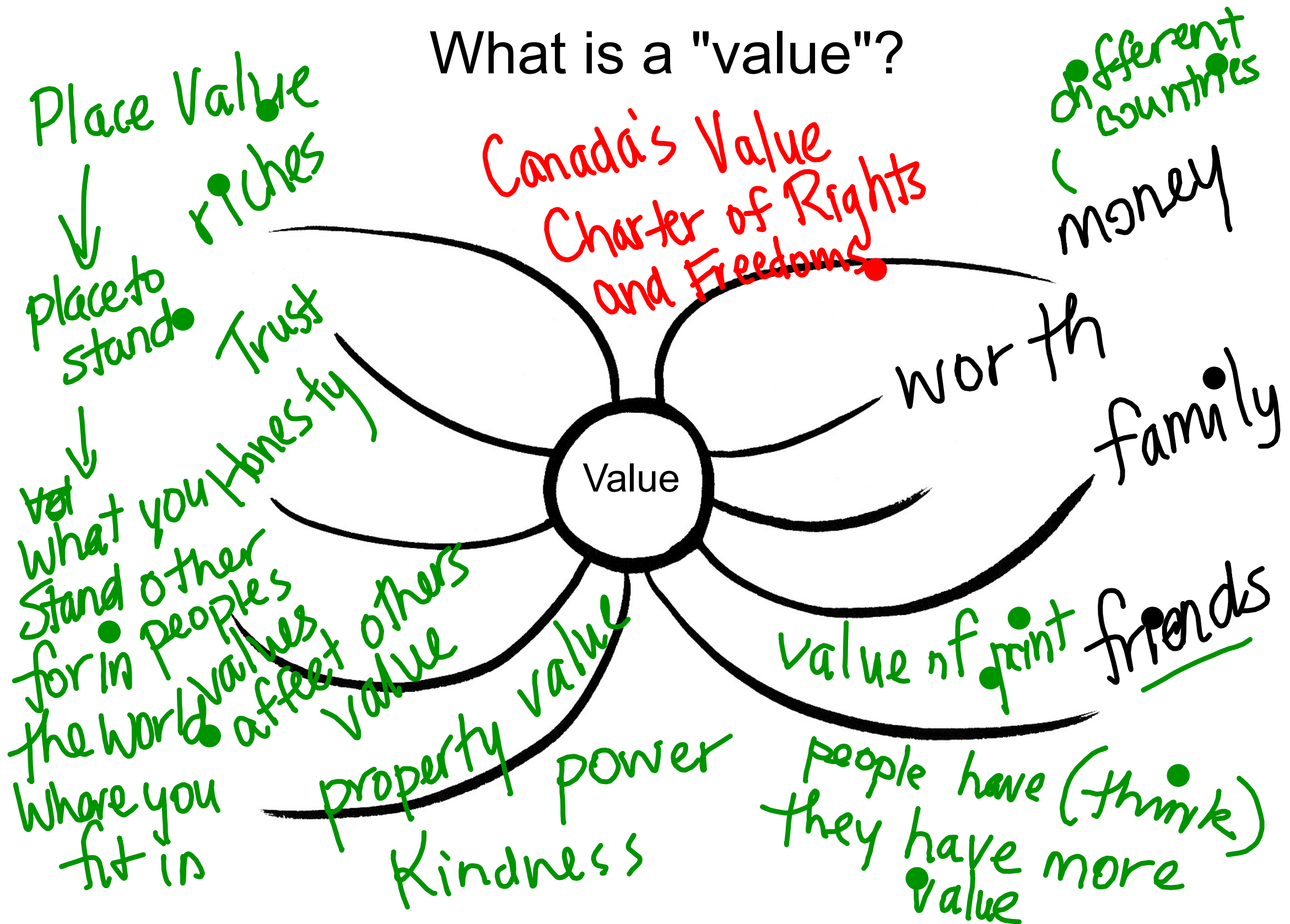
$$1000\text{m} = 1\text{km}$$

$$950\text{m} = 0.950\text{km}$$

0.95

0.095

What is a "value"?



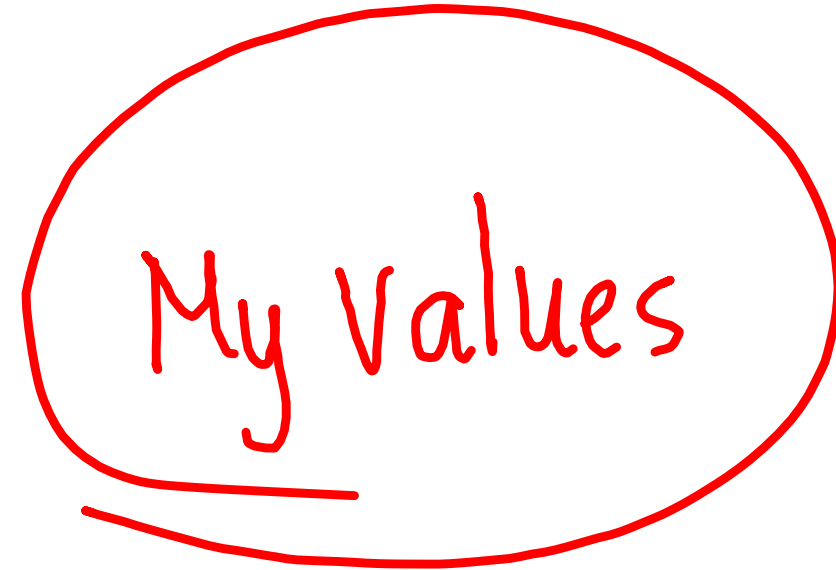
Value:

A) It's something that you consider (someone or something) to be important or beneficial; have a high opinion of.

B) Important and lasting beliefs or ideals shared by the members of a culture about what is good or bad and desirable or undesirable.

Examples of Core Values:

Dependable
Reliable
Loyal
Committed
Open-minded
Consistent
Honest
Efficient
Innovative
Creative
Humorous
Fun-loving
Adventurous
Motivated
Positive
Optimistic
Inspiring
Passionate
Respectful
Athletic
Fit
Courageous
Educated
Respected
Loving
Nurturing



My values

News Paper Article

TOPIC: Grade 5/6

April 18, 2017 Celebration of Learning

13:00 - 15:00

1 - 3

Goodbye Robot

I try to say goodbye but I
choke, I try to walk away
but I stumble.....

"Turn off lights when you leave a room!"

"Who left the lights on?"





1.21 Gigawatts??

<https://www.youtube.com/watch?v=I5cYgRnfFDA>



A Kilowatt is a measure of electrical power.

1 Kilowatt = 1000 watts.

Watts or Kilowatts provide you with the amount of available power.

If you have ever looked closely at a lightbulb before, you may notice they have watts printed on the bulb.



kWh = Kilowatt Hour

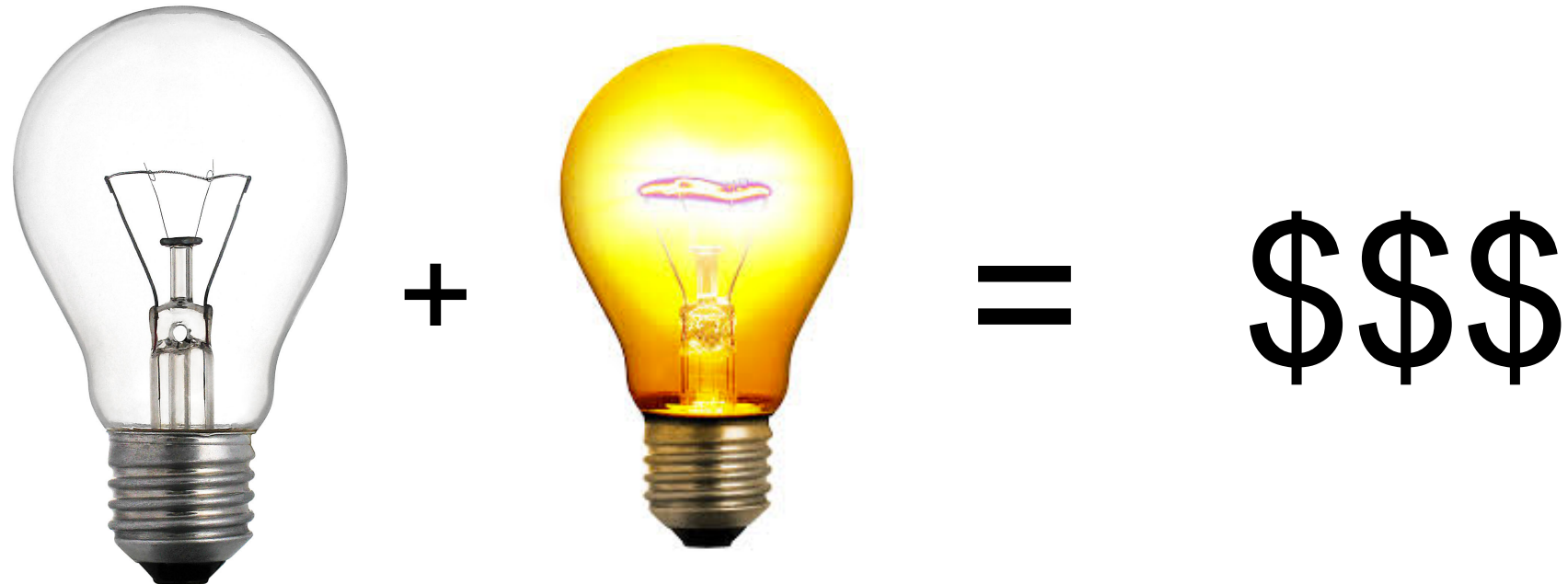
Kilowatt Hour is the unit most commonly used to measure electrical energy.

A Kilowatt Hour measures the quantity of electric current flow, which is equal to 1000 watts being used continuously for one hour.

Why wouldn't you JUST use a Kilowatt to measure electrical energy used?

Discuss within your table groups!

Regular vs LED light bulb



$$60 \text{ Watts} \times 1 \text{ hour} = \blacksquare \text{ kWh}$$

$$\blacksquare \text{ Kilowatt} = \blacksquare \text{ Watts}$$

$$4.5 \text{ Watts} \times 1 \text{ hour} = \blacksquare \text{ kWh}$$

