Mrs. Edina's Math and Science Weekly Newsletter
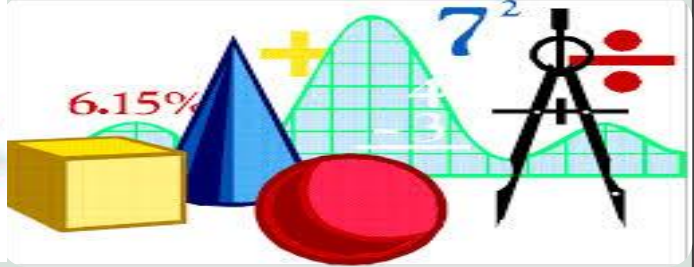## Week of Oct. 1 - 5, 2018

Assalamu Alaykum Dear Parents,

Thank you once again for helping us out with our bake sale. Your contribution is greatly appreciated.

Please make sure to check your child's grades on engrade and monitor their progress. In case you do not have the engrade log in info please stop by the office to get it.

In addition, if you haven't signed and returned the bottom portion of your child's mid-quarter progress report please do so as soon as possible.

If you have any questions or concerns please feel free to call me on my cell phone or email me at mrs.cubic@icciacademy.com.

Scroll down to see what we will be doing this week.

5th Grade

This week we will be working on probability of various chance events and learn how to express that probability as a fraction, decimal, or percent. We will make and use magnitude estimates for products of multidigit numbers including decimals.
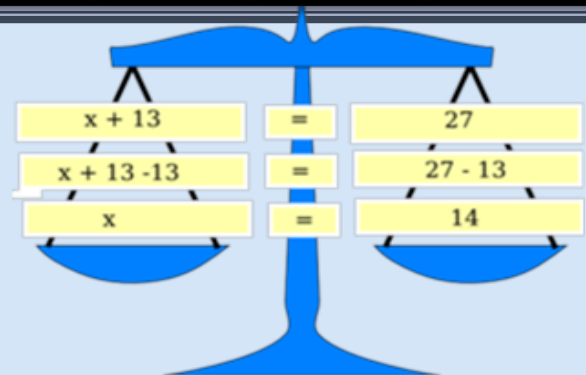
6th Grade

This week we will start our new unit, operations with whole numbers and decimals. We will work on addition and subtraction of decimals and estimating the sums and differences of decimals. We will also use extended multiplication and division facts to convert between the metric units.

How to subtract decimals

1	2	3	4
Line up the decimal points.	Estimate. Write 0's as needed.	Subtract. Write the decimal in answer.	Compare answer with estimate.
8.74	8.740→9	$\overset{6\,13\,10}{8.74\!\!\!/0}$	Estimate
3.679	3.679→4	− 3.679	⑤
	5	5.061	Answer 5.061

7th Grade

This week we will continue simplifying algebraic expressions. We will work on equations and determining whether a number is a solution of an equation. We will be solving one-step equations by using addition and subtraction and also multiplication and division.

x + 13	=	27
x + 13 -13	=	27 - 13
x	=	14

8th Grade

This week we will continue working on translations and practice identifying specific transformations of a figure and their order in series. We will then move on to sum of angles in a triangle where we will be finding the missing angle.

How to Find the Missing Angle in a Triangle

40°

67°

?°

Find the missing angle.

Step 1:
Find the angles given.

Step 2:
Subtract the given angles from 180.

Step 2:
Subtract the given angles from 180.

Missing angle = 180 – Angle 1 – Angle 2

Science

5th and 6th Grade

This week we will continue our chapter, Food and Nutrition. We will learn that in order to be healthy, we need to consume a balance of various organic and inorganic nutrients. We will learn about the importance of maintaining our health by knowing which nutrients our body needs and in what proportions in our diet, as well as which foods contain those nutrients.

Select Less

Fats, oil, salt and sugar
Use in small amounts

Meat & alternatives
3 servings
½ serving should come from dairy or high calcium products

Fruits & vegetables
2 servings each

Select More

Rice & alternatives
5 - 7 servings
2-3 servings should be whole-grain

7th and 8th Grade

This week we will continue learning about 3 domains and 6 kingdoms of life. We will learn about heredity and the role of genes and chromosomes in the process of inheriting a specific trait. We will also learn how to predict inheritance and how to use Punnett square to predict the probability of traits passed from parents to offspring.

Heredity: How did I get my brown hair?

How did I get my brown hair?

Heredity is when genetic traits are passed from one generation to the next. Mine came from my Mom and Dad.

You get one allele from each parent. They make your genes and they decide your traits.

Dominant genes will appear in the individual (AA, Aa). Recessive genes are hidden by the dominant genes (aa).

Because I have brown hair, I have the dominant gene for brown hair. Blonde would be recessive.

Homozygous genes (same) are either both dominant (AA) or recessive (aa). Heterozygous genes (different) have both a dominant and recessive gene (Aa).

We use a Punnett square to show what possible gene pairs parents can give to their offspring to determine their traits.