7th Grade Math Choice Board
Week of April 14-17

CHOOSE A DIFFERENT ACTIVITY EACH DAY.

Practice your multiplication facts! Create your own flash cards to use on index cards, or do your own skip counting sheet using blank paper.	Take the diagnostic test on IXL and work on the suggested skills it asks you to practice.	Go to www.khanacademy.org and search the following topics: ● Absolute Value ● Square Roots Watch the videos and complete the exercises.
Teach someone in your household how to calculate square roots, and also explain to them what absolute value is.	Draw a picture explaining how absolute value can be compared to a car wash.	Draw a number line and graph $-\frac{1}{2}$ and $2\frac{1}{4}$. Using the definition of absolute value (how far a number is from zero on a number line), show which number has a greater absolute value: $\lvert -\frac{1}{2} \rvert$_____$\lvert 2\frac{1}{4} \rvert$ (<, >, =)
Write all numbers 1 through 100. Using a highlighter or colored pencil, color in the numbers that are considered perfect squares.	Play perfect square ball! If you don't have anyone in your home to play with you, you can just toss the ball to yourself. Each time you catch it, say the next perfect square (starting at 1, ending at 225...unless you want to go higher!)	Solve each problem listed below: ● $\sqrt{100}$ ● $\sqrt{196}$ ● $\sqrt{25}$ ● $\sqrt{49}$ ● $\sqrt{225}$ ● $\sqrt{169}$ ● $\sqrt{4}$ ● $\sqrt{81}$

7th Grade Math Choice Board
Week of April 20-24

CHOOSE A DIFFERENT ACTIVITY EACH DAY.
(You may use your desmos calculator on all of these activities this week)

Practice your multiplication facts! Create your own flash cards to use on index cards, or do your own skip counting sheet using blank paper.	Take the diagnostic test on IXL and work on the suggested skills it asks you to practice.	Go to www.khanacademy.org and search the following topics: ● Proportions Watch the videos and complete the exercises.
Make a chart of key words that you might find in word problems that help you know which operation to do. Make a column for each operation (addition, subtraction, multiplication, & division), then list the key words in the appropriate column.	On a sunny day, go outside and measure the length of your shadow, and also measure your actual height (all in inches). Find a tall object nearby that is also casting a shadow, and measure the length of it. Using a proportion, estimate the height of the tall object knowing its shadow length and comparing it to your height and shadow length.	Go to the following website and play the proportions dirt bike racing game! https://www.arcademics.com/games/dirt-bike-proportions
Solve the following proportions: ● $\frac{4}{x} = \frac{16}{20}$ ● $\frac{1.2}{3.8} = \frac{5}{r}$ ● $\frac{Y}{7} = \frac{15}{35}$ ● $\frac{2}{3} = \frac{1}{n}$ ● $\frac{20}{10} = \frac{b}{15}$	Find a map in your home or online. Measure the distance between two places on the map. Using the map's key and a proportion, find the actual distance between the two places.	Write 10 different word problems dealing with addition, subtraction, multiplication, or division of fractions and/or decimals (negative and positive!). Then solve them! You can use your desmos calculator.

7th Grade Math Choice Board
Week of April 27-May 1

CHOOSE A DIFFERENT ACTIVITY EACH DAY.
(You may use your desmos calculator on all of these activities this week)

Practice your multiplication facts! Create your own flash cards to use on index cards, or do your own skip counting sheet using blank paper.	Take the diagnostic test on IXL and work on the suggested skills it asks you to practice.	Go to www.khanacademy.org and search the following topics: ● Intro to Slope Watch the videos and complete the exercises.
Teach someone in your household what slope is and how you can use it to graph equations.	Draw a picture of four different lines having the following slope: ● Positive slope ● Negative slope ● Zero slope ● Undefined slope	Using legos, blocks, cardboard,sticks, or other materials around your home, build an example of a positive slope, a negative slope, a zero slope, and an undefined slope.
Find the slope of a line passing through the following points: ● (-1, 3) (3,4) ● (0, -1) (2,-3) ● (-7, -8) (0, 9) REMEMBER: $\dfrac{y_2-y_1}{x_2-x_1}$	Draw a coordinate plane and graph the following equations on it. ● Y = -2x + 3 ● Y = ½ x - 4	Draw a coordinate plane and graph the following points from the function table below. Does it have a positive or negative slope? <table><tr><td>x</td><td>y</td></tr><tr><td>2</td><td>4</td></tr><tr><td>-3</td><td>-6</td></tr><tr><td>0</td><td>0</td></tr></table>