

8th Grade Math Choice Board

Activities for the Week of May 4, 2020

Listed below are optional ways to keep the learning going any time, any day! Take your pick!

You can always add 30 minutes per day of iReady Math and iReady Reading.

Solve the Equations 1. $5(x + 3) = 20 + 15x$ 2. $6x + 20 - x = -4x + 2$ 3. $6x - 4 = 2(3x + 2)$	How Many Solutions How many solutions are there for the system below? $8(3x - 2) = \frac{1}{2}(-32 + 48x)$	Exponent Number Battle Players: Groups of two or more Materials: Deck of cards, face cards worth ten, Ace worth 11, scratch paper Skill: Multiplication, base, exponents How to Play: Players split a deck of cards and simultaneously flip over their top two cards, the first card is the base and the second card is the exponent. Play continues until all cards are played. Player with the most cards wins.
Rachel makes \$9 per hour, plus a \$100 weekly bonus. Janelle makes \$11.50 per hour and no weekly bonus. How many hours will they have to work before they both earn the same amount?	Functions Circle the equation that represents a functional relationship. $y = x^2 + 25x + 25$ $x^2 + y^2 = 121$	Write an Equation A line has a slope of $\frac{3}{4}$ and passes through the point $(-4, 0)$. What is the equation of the line?

This Week's Task

Yoga Plans

Flexible Yoga charges a base rate of \$35 to join their yoga studio, plus \$4.50 per yoga class. A competing yoga studio, Stretch-It-Out, charges a base rate of \$27.50 to join, and \$5.25 per class. How many classes would you have to take before joining Flexible Yoga costs the same amount of money as Stretch-It-Out? Explain your reasoning. Use equations to support your answer.