Grade 8: Mathematics

10-day Extended Learning Plan

Day 1	- Solve this equation: -13+x=-25 - Write out the process of solving this equation. Write out every step
Day 2	- Write an addition equation and a multiplication equation that each have a solution of -5 - Solve the equation and check the solution, Show your work: 8y-7=9
Day 3	- Answer the following: You and a friend buy two fruit smoothies and leave a tip. You split the total and your half comes to $3.60. What percent tip (in decimal form) di you and your friend leave if the fruit smoothies cost $3 each? - Write a paragraph about his scenario: Was the type enough for this purchase? DO you agree that you should pay more of a tip is you spend more money? Explain your reasoning.
Day 4	- Solve this equation: X+36=4x and 6a+12=2(3a-8) - Write out of all the steps needed to work out these two problems
Day 5	The formula F=9/5C+32 converts temperatures from Celsius C to Fahrenheit F. a. Solve the formula for C b. The boiling point of water is 212 degrees F. What is the temperature in Celsius. c. If a house thermostat is set at 80 degrees F, what is the setting in Celsius? Round your answer to the nearest tenth.
Day 6	- Explain what congruent means. Draw 4 triangles and show two that are congruent and two that are not congruent. - Draw two congruent triangles and label one ABC and the other DEF. Then, name the corresponding angles and corresponding sides.
Day 7	- Answer the following: The rectangular traffic sign is 18 inches wide and 8 inches tall. The rectangle realtor sign is 27 inches wide and 10 inches tall. Are the signs similar? - Draw a visual representation of both of these signs. Be creative and color and label the dimensions.
Day 8	Answer the following: Is it possible for the following figures to be similar? Explain a. A stop sign and speed limit sign b. A cell phone and a test paper c. A yield sign and a home plate d. A laptop and a swimming pool
Day 9	Solve for y. Then graph the equation 2y+3x=-6 X+0.25y=1.5
Day 10	- Create a 10 question quiz with problems used in days 1-9 - Provide an answer key with problems worked out