Hi There 8th Grade Algebra Scholars,

I have put together some work opportunities to keep your skills fresh and strengthen the learning you have already received this year. The lesson provided is enough for 1-2 hours of work for the week. If you need to contact me, please send me an email at sgalsto@tacoma.k12.wa.us

I hope you are staying safe, participating in things that you love to do, and enjoying your family.

Instructions:

Daily: Login in to Success Maker for 15 Minutes

- Link: bit.do/successmaker
- Login: Student ID Number
- Password: Student ID Number

This Week’s Lesson

Learning Target: I can solve addition and subtraction equations

- The attached page is your work for the week.

Ms. Galston 😊
**Solving Addition and Subtraction Equations**

**Materials** counters, 20 per student or pair; pieces of paper cut in half, 8 half-sheets per student or pair

1. Show \( x + 5 = 8 \) with counters and paper as shown below. Use a blank sheet of paper for \( x \).

   \[
   \begin{array}{ccc}
   & + & \\
   & \begin{array}{c}
   \text{Counters}
   \end{array} & = \\
   & \begin{array}{c}
   \text{Counters}
   \end{array}
   \end{array}
   \]

2. Equals subtracted from equals are equal. Take away 5 counters from each side of the equal sign. What is left? \( x = \) _______

3. Does the value of \( x \) you found in 2 above make the equation \( x + 5 = 8 \) true? _______

4. Fill in the blanks to show what you did.

   \[
   x + 5 = 8
   \]

   \[
   x + 5 - 5 = 8 - \_
   \]

   Subtract 5 from both sides.

   \[
   x = \_
   \]

   Subtract.

5. What is \( 5 - 2 + 2? \) _______ What is \( 8 - 2 + 2? \) _______

6. What is \( 6 - 2 + 2? \) _______ What is \( y - 2 + 2? \) _______

7. Equals added to equals are equal. Add 2 counters to each side of the equal sign. What is left? \( y = \) _______

8. Does the value of \( y \) you found in 7 above make the equation \( y - 2 = 6 \) true? _______

9. **Reasoning** Explain what you would add to both sides to solve \( k - 19 = 36 \).