**Unit 2: Equations in One Variable**

**Learning Target 2: Solve Two-Step Equations**



 **Solve 15 –** $\frac{w}{4}$ **= 28. Check your solution.**

15 –  = 28 Write the equation.

  Rewrite the left side as addition.

 – 15 = –15 Subtraction Property of Equality

 – = 13 Simplify.

 (–4) = 13(–4) Multiplication Property of Equality

 *w* = –52 Simplify.

 Check the solution by replacing *w* with –52.

 15 –  = 28 Write the equation.

 15 –   28 Replace *w* with −52.

 15 – (–13)  28 Divide.

 28 = 28 **√** The sentence is true.



 **Larina received a $50 gift card to an online store. She wants to purchase some bracelets that cost $8 each. There will be an $10 overnight delivery fee. Solve 8*n* + 10 = 50 to find the number of bracelets she can purchase.**

 ****

 So, Larina can purchase 5 bracelets.