

Name _____ Period _____ Date _____

3.2 Solving Story Problems with Equations (A.CED.1)

- 1) Davone is purchasing tickets online to a football game. There is a \$7 convenience fee for ordering the tickets online. The tickets are \$50 each plus a \$5 service fee per ticket. The total amount he pays is \$227. If t represents the number of tickets he purchases, then write an equation that could be used to find the number of tickets purchased? Then solve the equation to find the number of tickets.

- 2) The neighborhood candy store sold 336 candy items this week. Twice as many M&Ms were sold as Snickers, and three times as many Crunch bars were sold as Snickers bars. How many of each kind of candy were sold this week?

- 3) I spent \$46 shopping yesterday when I bought a t-shirt, a jacket, and a pair of jeans. The jacket cost twice as much as the t-shirt. The jeans cost 6dollars more than the t-shirt. How much did each item cost?

- 4) Santiago and Alisha went trick-or-treating on Halloween. Santiago got three tubes and fifteen loose candies. Alisha got five tubes and one loose candy. If each of them got the same total amount of candy, how many candies are in a tube?

- 5) Daunte is purchasing tickets online to a baseball game. There is a \$5.00 convenience fee for ordering the tickets online. The tickets are \$30.00 each plus a \$2.50 service fee per ticket. The total amount he pays is \$247.50. If t represents the number of tickets he purchases, then write an equation that could be used to find the number of tickets purchased? Then solve the equation to find the number of tickets.
- 6) Braiden and Daniel are comparing how much candy they have. Daniel has five boxes and twelve loose candies. Braiden has six boxes and three loose candies. However, they each have the same total amount of candy. How much does each of them have?
- 7) Hailey and Jeff spent the same amount of money at the store. Each of them bought some sweaters for the same price and one additional item. Hailey bought a shirt for \$12.50 and 3 sweaters. Jeff bought some shoes for \$40.00 and 2 sweaters. How much does a sweater cost?
- 8) Shaylee and Shannon went to the music store. Shaylee bought some guitar picks for \$6 and a package of guitar string. Shannon bought some new drumsticks for \$8. Then Shaylee remembered she had a coupon for \$5 off. The final bill after the coupon was \$15. How much was the package of guitar string?