

### 3.2 Solving Story Problems with Equations (A.CED.1)—SM1H

Do the following four things for each problem. The first 4 are required choose 4 more:

a. Define the variable(s) and write an equation.	c. Answer the question in a <b>complete sentence</b> .
b. Solve the equation.	d. Does your answer make sense? Why?

- ✓ Zandon 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.
  
- ✓ Chris and Reese work together at the donut factory. Twice Reeces's salary decreased by 16,000 is Chris's salary. The sum of their two salaries is 104,000. How much is Reeces's salary?
  
- ✓ 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?
  
- ✓ Anne read her book in six days. On Monday, Wednesday, and Friday she read the same amount of pages each day. On Tuesday she read 4 times as many pages as on Friday. On Thursday she read 3 times as many pages as on Monday. On Saturday she read 50 more pages to finish the book. If her book had a total of 670 pages, how many pages did she read each day?
  
- ❖ Anne bought two quarts of milk and three pints of yogurt for \$4.68. A pint of yogurt costs 1.5 times the price of a quart of milk. How much is a quart of milk?
  
- ❖ 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?
  
- ❖ 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?
  
- ❖ Brittney works at three different jobs. The first job pays twice as much as the second job, and the third job pays \$4.00 per hour more than the second. If she worked one hour at each job, she would make \$28 total. How much does each job pay per hour?
  
- ❖ 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?
  
- ❖ 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?
  
- ❖ 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?
  
- ❖ Saleena and Malina went to the hamburger stand. Saleena ordered a hamburger for \$3 and an order of fries. Malina ordered twice as much food as Lois. The total price for both of their food was \$15. What is the cost of one order of fries?

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2)

3)

4)

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