

Name _____ Hour _____

Chapter 12 Word Problems #3

1. A coffee shop sells a ceramic refill mug for \$8.95. Each refill costs \$1.50. Last month Rose spent \$26.95 on a mug and refills. How many refills did she buy?

variable: $x =$ _____

Equation: _____ Solution: _____

2. Brandon follows a 2,800 calorie-per-day diet. He has 11 servings of breads and cereals, which average 140 calories each. Yesterday, he had a combined 9 servings of fruits and vegetables, averaging 60 calories each. How many 180-calorie servings of meat and milk did he have to complete his diet?

variable: $x =$ _____

Equation: _____ Solution: _____

3. A long-distance phone company charges \$1.01 for the first 25 minutes of a call, and then \$0.09 for each additional minute. A call costs \$9.56. How long did it last?

variable: $x =$ _____

Equation: _____ Solution: _____

4. Marina bought 4 books. Jose' bought half as many books as Ben bought. Together, the 3 friends bought 13 books. How many books did Ben buy?

variable: $x =$ _____

Equation: _____ Solution: _____

5. The area of a pentagon increased by 27 is the same as four times the area of the pentagon, minus 15. What is the area of the pentagon?

variable: $x =$ _____

Equation: _____ Solution: _____

6. John is twice as old as Helen. Subtracting 4 from John's age and then dividing by 2 gives William's age. If William is 24, how old is Helen?

variable: $x =$ _____

Equation: _____ Solution: _____

7. For a field trip, 4 students rode in cars and the rest filled nine buses. How many students were in each bus if 472 students were on the trip?

variable: $x =$ _____

Equation: _____ Solution: _____

8. How old am I if 400 reduced by 2 times my age is 244?

variable: $x =$ _____

Equation: _____ Solution: _____