Foundations of Math 1 2.3 Multi-Step Word Problems Unit 3 Day 4

**Step 1:** Read the problem

**Step 2:** Underline or highlight the question

**Step 3:**Define the variable

**Step 4:** Reread the problem and write the equation

**Step 5:** Solve!

Martha takes her niece and nephew to a concert. She buys T-shirts and bumper stickers for them. The bumper stickers cost $1 each. Martha’s niece wants 1 shirt and 4 bumper stickers, and her nephew wants 2 shirts but no bumper stickers. If Martha’s total is $67, what is the cost of one shirt?

Noah and Kate are shopping for new guitar strings in a music store. Noah buys 2 packs of strings. Kate buys 2 packs of strings and a music book. The book costs $16. Their total cost is $72. How much is one pack of strings?

There is a 12-foot fence on one side of a rectangular garden. The gardener has 44 feet of fencing to enclose the other three sides. What is the length of the garden’s longer dimension?

You have a part-time job. You work for 3 hours on Friday and 6 hours on Saturday. You also receive an allowance of $20 per week. You earn $92 per week. How much do you earn per hour at your part-time job?

A family buys airline tickets online. Each ticket costs $167. The family buys travel insurance with each ticket that costs $19 per ticket. The website charges a fee of $16 for the entire purchase. The family is charged a total of $1132. How many tickets did the family buy?

You work for 4 hours on Saturday and 8 hours on Sunday. You also receive a $50 bonus. You earn $164. How much did you earn per hour?

Online concert tickets cost $37 each, plus a service charge of $8.50 per ticket. The website also charges a transaction fee of $14.99 for the purchase. You paid $242.49. How many tickets did you buy?