Problem Solving: Draw a Picture and Write an Equation

Draw a picture and write an equation to solve each problem.

1. Mike has already driven 176 laps. The race is 250 laps long. How many more laps does he have to drive to finish the race?

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2. Antonio found 133 golf balls in the water. He picked up a total of 527 lost golf balls. How many golf balls did he find in the weeds and bushes?

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3. A lumber company plants 840 trees. If the company cuts down 560 trees, how many more trees did it plant than it cut down?

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4. Writing to Explain What operation would you use to solve this problem? Why?

> Erik wants to buy a new stereo for $359. He has $288 saved already. How much more will he have to save to buy the stereo?

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5. Reasonableness Write an estimate that will show if 77 is a reasonable solution to the equation $14 + m = 91$.

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6. Juan brought 87 pounds of recyclables to the recycling center. He brought 54 pounds of glass, and the rest was plastic. Which equation could be used to find p, the number of pounds of plastic Juan recycled?

A $87 + p = 54$ **C** $p - 54 = 87$

B $54 + p = 87$ **D** $p + 87 = 54$