**Lesson 1 Problem-Solving Practice**

***Solve One-Step Addition and Subtraction Equations***

**ANIMALS For Exercises 1–4, use the table.**

The average lifespans of several different types of animals are shown in the table.

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| **Average Lifespans of Animals** |
| **Animal** | **Lifespan (yr)** | **Animal** | **Lifespan (yr)** |
| Black bearDogGiraffeGray squirrel | 18121010 | Guinea pigPumaTigerZebra | 4?16? |

|  |  |
| --- | --- |
| **1.** The lifespan of a black bear is 3 years longer than the lifespan of a zebra. Write an addition equation that you could use to find the lifespan of a zebra. | **2.** Solve the equation you wrote in Exercise 1. What is the lifespan of a zebra? |
| **3.** The lifespan of a guinea pig is 8 years shorter than the lifespan of a puma. Write a subtraction equation that you could use to find the lifespan of a puma. | **4.** Solve the equation you wrote in Exercise 3. What is the lifespan of a puma? |
| **5. TECHNOLOGY** A survey of teens showed that teens in Pittsburgh aged 12–17 spend 15.8 hours per week online. Teens in Miami/Ft. Lauderdale spend 14.2 hours per week online. Write and solve an addition equation to find the difference in time spent online by teens in these cities. | **6. SPORTS** Annika Sorenstam won the 2006 MasterCard Classic with a final score of 8 under par, or –8. Her scores for the first two of the three rounds were –5 and –1. What was Ms. Sorenstam’s score for the third round? |