Name $\qquad$ Date $\qquad$

1. Cathy collects the following information about her dogs, Stella and Oliver.

| Stella |  |
| :---: | :---: |
| Time Spent <br> Getting a Bath | Weight |
| 36 minutes | 32 kg |


| Oliver |  |
| :---: | :---: |
| Time Spent <br> Getting a Bath | Weight |
| 25 minutes | 7 kg |

Use the information in the charts to answer the questions below.
a. Estimate the total weight of Stella and Oliver.
b. What is the actual total weight of Stella and Oliver?
c. Estimate the total amount of time Cathy spends giving her dogs a bath.
d. What is the actual total time Cathy spends giving her dogs a bath?
e. Explain how estimating helps you check the reasonableness of your answers.
2. Dena reads for 361 minutes during Week 1 of her school's two-week long Read-A-Thon. She reads for 212 minutes during Week 2 of the Read-A-Thon.
a. Estimate the total amount of time Dena reads during the Read-A-Thon by rounding.
b. Estimate the total amount of time Dena reads during the Read-A-Thon by rounding in a different way.
c. Calculate the actual number of minutes that Dena reads during the Read-A-Thon. Which method of rounding was more precise? Why?

