

Name _____

Date _____

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

Stella	
<i>Time Spent Getting a Bath</i>	<i>Weight</i>
36 minutes	32 kg

Oliver	
<i>Time Spent Getting a Bath</i>	<i>Weight</i>
25 minutes	7 kg

Use the information in the charts to answer the questions below.

- Estimate the total weight of Stella and Oliver.
- What is the actual total weight of Stella and Oliver?
- Estimate the total amount of time Cathy spends giving her dogs a bath.
- What is the actual total time Cathy spends giving her dogs a bath?
- 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.
- Estimate the total amount of time Dena reads during the Read-A-Thon by rounding.
 - Estimate the total amount of time Dena reads during the Read-A-Thon by rounding in a different way.
 - Calculate the actual number of minutes that Dena reads during the Read-A-Thon. Which method of rounding was more precise? Why?

Answer Key

1.
 - a. 40 kg
 - b. 39 kg
 - c. 70 min
 - d. 61 min
 - e. A close estimate can help us see if our actual sum is reasonable.
2.
 - a. Estimates will vary.
 - b. Estimates will vary.
 - c. 573 min; explanations will vary.