Name Date
-----------

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

Stella		
Time Spent Getting a Bath	Weight	
36 minutes	32 kg	

Oliver		
Time Spent 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.

$$22 \text{ kg} + 7 \text{ kg}$$
  
 $\approx 30 \text{ kg} + 10 \text{ kg} = 40 \text{ kg}$ 

b. What is the 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.

If my actual answer is close to my estimate, then I know my answer is reasonable.



- 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.

361 minutes + 212 minutes ~ 400 minutes + 200 minutes = 600 minutes

b. Estimate the total amount of time Dena reads during the Read-A-Thon by rounding in a different way.

361 minutes + 212 minutes ~ 400 minutes + 210 minutes = (010 minutes

c. Calculate the actual number of minutes that Dena reads during the Read-A-Thon. Which method of rounding was more precise? Why?

361 minutes + 212 minutes 573 minutes

Date: