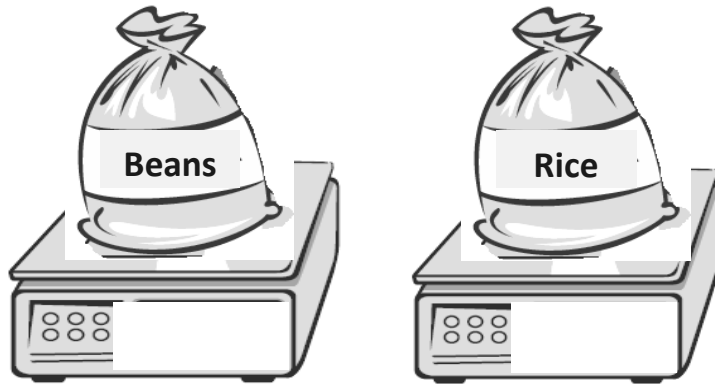


Name \_\_\_\_\_ Date \_\_\_\_\_

1. Weigh the bags of beans and rice on the scale. Then, write the weight on the scales below.



- a. Estimate, and then find the total weight of the beans and rice.

Estimate: \_\_\_\_\_ + \_\_\_\_\_  $\approx$  \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

Actual: \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

- b. Estimate, and then find the difference between the weight of the beans and rice.

Estimate: \_\_\_\_\_ - \_\_\_\_\_  $\approx$  \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_

Actual: \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_

- c. Are your answers reasonable? Explain why.

2. Measure the lengths of the three pieces of yarn.
- a. Estimate the total length of Yarn A and Yarn C. Then, find the actual total length.

Yarn A	_____ cm $\approx$ _____ cm
Yarn B	_____ cm $\approx$ _____ cm
Yarn C	_____ cm $\approx$ _____ cm

- b. Subtract to estimate the difference between the total length of Yarns A and C, and the length of Yarn B. Then, find the actual difference. Model the problem with a tape diagram.

3. Plot the amount of liquid in the three containers on the number lines below. Then, round to the nearest 10 milliliters.

Container D



Container E



Container F



- a. Estimate the total amount of liquid in three containers. Then, find the actual amount.
- b. Estimate to find the difference between the amount of water in Containers D and E. Then, find the actual difference. Model the problem with a tape diagram.
4. Shane watches a movie in the theater that is 115 minutes long, including the trailers. The chart to the right shows the length in minutes of each trailer.
- a. Find the total number of minutes for all 5 trailers.
- b. Estimate to find the length of the movie without trailers. Then, find the actual length of the movie by calculating the difference between 115 minutes and the total minutes of trailers.
- c. Is your answer reasonable? Explain why.

Trailer	Length in minutes
1	5 minutes
2	4 minutes
3	3 minutes
4	5 minutes
5	4 minutes
<b>Total</b>	