

## Estimating Difference

### A. Choose the correct answer:

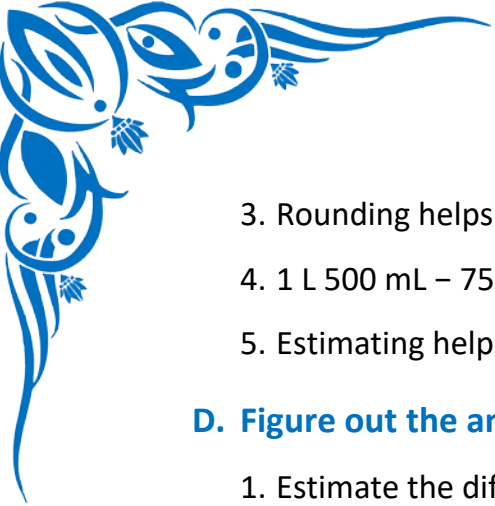
- The estimated difference between 98 and 43 is closest to
  - 40
  - 50
  - 60
  - 70
- Which of the following is the best estimate for the difference between 502 and 311
  - 100
  - 150
  - 200
  - 250
- The estimated difference between 1750 mL and 820 mL is closest to
  - 900 mL
  - 1000 mL
  - 1100 mL
  - 1200 mL
- Which estimate is closest to the difference between 4 kg 850 g and 2 kg 430 g
  - 1 kg
  - 2 kg
  - 3 kg
  - 4 kg
- The best way to estimate the difference between two numbers is
  - Always add them
  - Round both numbers and subtract
  - Multiply them
  - Use a calculator

### B. Write the Missing Terms to Complete the Sentences:

- The estimated difference between 67 and 29 is \_\_\_\_\_.
- $3\text{ L } 750\text{ mL} - 2\text{ L } 180\text{ mL}$  is closest to \_\_\_\_\_ L.
- $1850\text{ g} - 950\text{ g}$  is approximately \_\_\_\_\_ g.
- The difference between 72 m and 39 m is roughly \_\_\_\_\_ m.
- $6\text{ kg } 100\text{ g} - 3\text{ kg } 600\text{ g}$  is nearly \_\_\_\_\_ kg.

### C. Mark each sentence with a True (✓) or False (X):

- The estimated difference between 99 and 45 is 50. \_\_\_\_\_
- Estimating difference means finding the exact subtraction. \_\_\_\_\_



3. Rounding helps to make subtraction quicker. \_\_\_\_\_
4.  $1\text{ L } 500\text{ mL} - 750\text{ mL}$  is estimated as  $1\text{ L}$  . \_\_\_\_\_
5. Estimating helps when only an approximate answer is needed. \_\_\_\_\_

**D. Figure out the answers to these questions:**

1. Estimate the difference between 128 and 76 by rounding to the nearest ten.
2. Rani poured  $2\text{ L } 900\text{ mL}$  of water into a jug and used  $1\text{ L } 150\text{ mL}$  Estimate how much water is left.
3. A tank contains  $425\text{ L}$  of water and  $285\text{ L}$  is used Estimate the difference in litres.
4. A boy weighs  $38\text{ kg}$  and his sister weighs  $25\text{ kg}$  Estimate how much heavier the boy is.
5. Subtract  $1/2\text{ kg}$  from  $2\text{ kg}$  and round the result to the nearest whole number.

**E. Challenge yourself with these questions:**

1. Estimate the difference between  $1575\text{ m}$  and  $895\text{ m}$ .
2. A vessel contains  $4\text{ L } 200\text{ mL}$  of milk and  $2\text{ L } 300\text{ mL}$  is used Estimate how much is left.
3. A person had  $2\text{ kg } 750\text{ g}$  of rice and gave away  $1\text{ kg } 240\text{ g}$  Estimate the remaining quantity.
4. A container holds  $820\text{ mL}$  of oil and another holds  $395\text{ mL}$  Estimate the difference in their capacities.
5. Estimate how much heavier a  $3\text{ kg } 600\text{ g}$  pumpkin is than a  $1\text{ kg } 900\text{ g}$  melon.