

2. Round the measurements in question 1 to two significant figures.

3. Multiply or divide the following measurements, and round your answer to the correct number of significant figures:

- a)  $3.4 \text{ m} \times 7.8 \text{ m}$
- b)  $7.00 \text{ cm} \times 9.8 \text{ cm}$
- c)  $1.56 \text{ mm} \times 0.864 \text{ mm} \times 14.00 \text{ mm}$
- d)  $6.88 \text{ m}^2 / 2.6 \text{ m}$
- e)  $52.98 \text{ g} / 1.8 \text{ mL}$
- f)  $0.14 \text{ kg} / 0.0131 \text{ L}$

4. Add or subtract the following measurements, and round your answer to the correct number of significant figures:

- a)  $2.34 \text{ m} + 18.28 \text{ m}$
- b)  $828.2 \text{ g} - 134 \text{ g}$
- c)  $0.278 \text{ cm} + 0.0832 \text{ cm} + 0.15 \text{ cm}$
- d)  $54.2 \text{ mg} - 12.66 \text{ mg}$
- e)  $6.40 \text{ ng} + 0.450 \text{ ng} + 1.001 \text{ ng}$

5. Solve each problem and round your answer to the correct number of significant figures:

- a)  $(5.3 \text{ m}) \times (1.54 \text{ m})$
- b)  $23.5 \text{ m} + 2.1 \text{ m} + 7.26 \text{ m}$
- c)  $189.427 \text{ g} - 19.00 \text{ g}$
- d)  $\frac{0.497 \text{ m}^2}{1.50 \text{ m}}$