

Chapter 8 Mixed Geometry and Measurement Problem Solving

Worksheet A Guided Practice

Name: _____ Grade: _____ Date: _____

1. Choose the Measurement

Write perimeter, area, surface area, volume, or circumference.

a. edging around a circular pond: _____

b. grass seed for a rectangular lawn: _____

c. paint for the outside of a box: _____

d. water inside a tank: _____

e. baseboard around a rectangular room: _____

2. Same Rectangle, Two Questions

A rectangle is 11 m long and 7 m wide.

a. Perimeter:

$$P = 2l + 2w$$

$$P = 2(11) + 2(7)$$

$$P = 22 + 14$$

$$P = \underline{\hspace{2cm}}$$

b. Area:

$$A = l \times w$$

$$A = 11 \times 7$$

$$A = \underline{\hspace{2cm}}$$

3. Unit Check

Choose the correct unit.

a. perimeter: cm, cm^2 , or cm^3

b. area: cm, cm^2 , or cm^3

c. volume: cm, cm^2 , or cm^3

4. Diameter First

A circle has diameter 16 cm.

$$r = d \div 2$$

$$r = 16 \div 2$$

$$r = \underline{\hspace{2cm}}$$