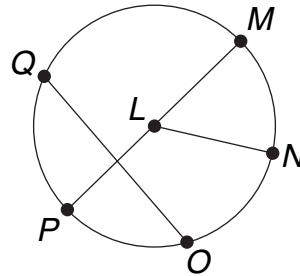


**CHAPTER** **At-Home Practice**  
**9** **Circles**

Name the parts of circle *L*.

1. radii \_\_\_\_\_
2. chords \_\_\_\_\_
3. diameters \_\_\_\_\_

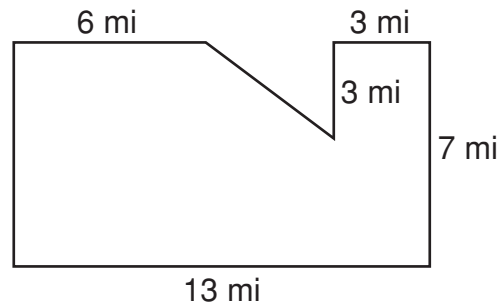


Find the area and circumference of each circle with the given dimensions, both in terms of  $\pi$  and to the nearest tenth. Use 3.14 for  $\pi$ .

4. radius 2 ft
5. diameter 3 in.
6. diameter 6.5 yd
7. radius 9.25 cm


8. Find the area the composite figure.

\_\_\_\_\_



**Answers:** 1.  $\overline{LM}$ ,  $\overline{LN}$ ,  $\overline{LP}$  2.  $\overline{MP}$ ,  $\overline{OQ}$  3.  $\overline{MP}$  4.  $A = 4\pi \text{ ft}^2 \approx 12.6 \text{ ft}^2$ ;  $C = 4\pi \text{ ft} \approx 12.6 \text{ ft}$  5.  $A \approx 2.3\pi \text{ in}^2 \approx 7.2 \text{ in}^2$ ;  $C = 3\pi \text{ in.} \approx 9.4 \text{ in.}$  6.  $A \approx 10.6\pi \text{ yd}^2 \approx 33.3 \text{ yd}^2$ ;  $C = 6.5\pi \text{ yd} \approx 20.4 \text{ yd}$  7.  $A \approx 85.6\pi \text{ cm}^2 \approx 268.8 \text{ cm}^2$ ;  $C = 18.5\pi \text{ cm} \approx 58.1 \text{ cm}$  8. 85  $\text{mi}^2$

**CHAPTER**  
**9** **Family Fun**  
**Circle Riddles**

Try and figure out which part of a circle is best described by the riddle.  
Name the part.

1. I get *around* a circle.  
**What am I?**

\_\_\_\_\_

2. My name sounds like a kind of boat.  
**What am I?**

\_\_\_\_\_

3. My name rhymes with another word for fruit juice.  
**What am I?**

\_\_\_\_\_

4. I am the greatest distance across a circle.  
**What am I?**

\_\_\_\_\_

5. When I am not crossing a circle, I am a group of musical notes.  
**What am I?**

\_\_\_\_\_

6. I am also the name for a bone in your arm.  
**What am I?**

\_\_\_\_\_

**Answers:** 1. circumference 2. arc 3. sector (rhymes with nectar) 4. diameter 5. chord 6. radius