NAME_____

Module 13 **Perimeter, Area, and Volume**
Lesson 1 **Perimeter and Circumference**

Independent Practice 13.1

Find the unknown values for the circle.

1. Radius = 9.5 in.

Diameter = _____

Circumference ≈ _____

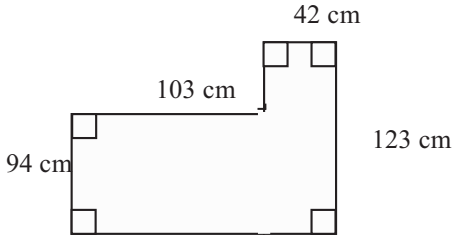
2. Radius ≈ _____

Diameter ≈ _____

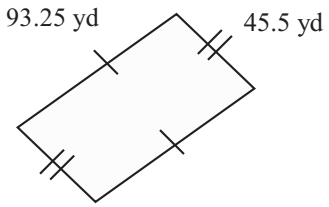
Circumference = 38 ft

Find the perimeter of the figure.

3.



4.



5. The circumference of a circular rug is 16 feet. Estimate the diameter of the rug.

6. The perimeter of a square is 628 inches. What is the length of each side of the square?

7. The perimeter of a rectangular football field is $346\frac{2}{3}$ yards. The length of the field is 120 yards. What is the width of the field?

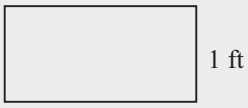
8. A placemat is in the shape of a regular decagon. Each side has a length of 4.2 inches. Find the perimeter of the placemat.

Journal

1. Write a formula that can be used to find the perimeter of any regular polygon. Explain your reasoning.

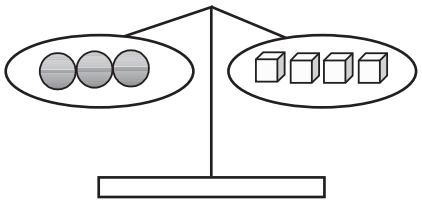
2. Tell how to find the diameter of a circle when you know the circumference of the circle. Give an example.

3. Jeremy said that the perimeter of the rectangle below is 30. Explain and correct his error.

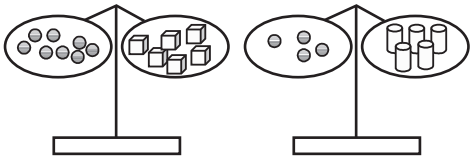


Cumulative Review

1. How many balls balance 36 blocks?



2. How many blocks balance five cans?



Fill in the blanks.

3. 25 h = _____ sec

4. 1,624 mL = _____ L

5. 120 fl oz = _____ qt

6. 172 in. = _____ ft _____ in.

NAME_____

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Perform the indicated operation.

7.
$$\begin{array}{r} 6 \text{ h } 45 \text{ min} \\ +\ 15 \text{ h } 56 \text{ min} \\ \hline \end{array}$$

8.
$$\begin{array}{r} 18 \text{ yd } 4 \text{ ft } 9 \text{ in.} \\ -\ \ 2 \text{ yd } 2 \text{ ft } 11 \text{ in.} \\ \hline \end{array}$$

9.
$$\begin{array}{r} 55 \text{ lb } 2 \text{ oz} \\ +\ 25 \text{ lb } 14 \text{ oz} \\ \hline \end{array}$$

10.
$$\begin{array}{r} 89 \text{ km} \\ -\ 23 \text{ km } 502 \text{ m} \\ \hline \end{array}$$

11. A milligram is what fraction of a gram?

12. Sally began practicing her cello at 4:12 P.M. She finished practicing at 5:51 P.M. How long did Sally practice her cello?

Additional Work Area