

7.5-8.2 – Test Review

7.5 Scale Drawings

- 1) A volcano is 160 meters tall. A scale model of the volcano has a scale of 1 cm. : 8 m. How tall is the model of the lighthouse? What is the scale factor of the model?
- 2) A scale model of a dolphin is 6 inches long. The model scale is 1 in. : 3 ft. How long is the actual dolphin? What is the scale factor of the model?
- 3) Find the missing dimension. Use the scale factor 1 : 20.

Item	Model	Actual
Basketball player	Height: <input type="text"/> in.	Height: 90 in.
Dinosaur	Length: 3.75 ft	Length: <input type="text"/> ft

8.1 Circles and Circumference

- 4) What is the relationship between a diameter and a radius?

Find the radius of a circle with the given diameter.

- 5) 8 inches
- 6) 60 millimeters
- 7) 100 meters
- 8) 3 yards

Find the diameter of a circle with the given radius.

9) 20 feet

10) 5 meters

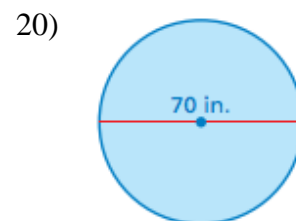
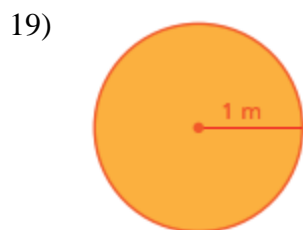
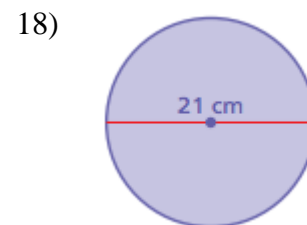
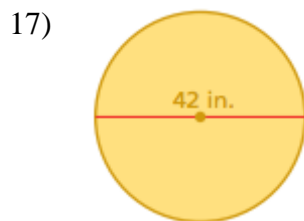
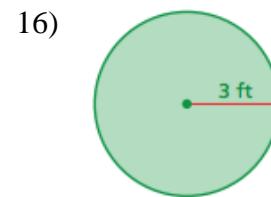
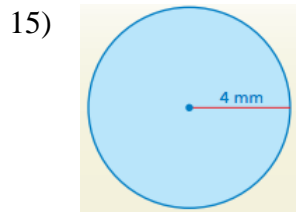
11) 1 inch

12) 25 millimeters

13) What are two ways that you can write the approximation for π ? _____ or _____

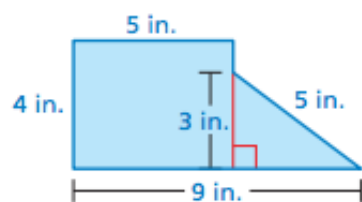
14) What are the two formulas for the circumference of a circle? _____ or _____

Find the circumference of a circle. Use 3.14 or $\frac{22}{7}$ for π . Please show **all** work, including writing the formula.

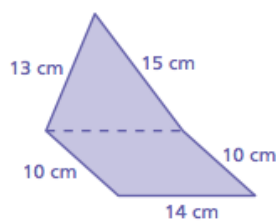


Find the perimeter of the composite figures. Use 3.14 or $\frac{22}{7}$ for π . Please show **all** work.

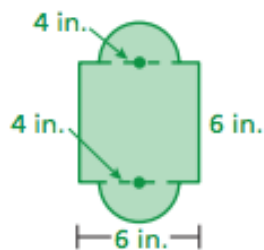
21)



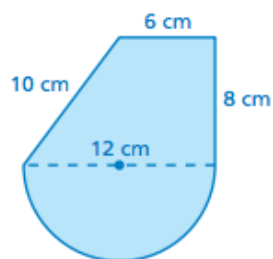
22)



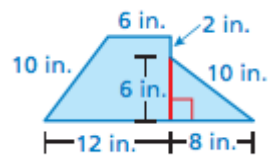
23)



24)



25)



26)

