

Student Name: _____

Score: _____

Area of Circle Worksheet

Find the area of the circles for the given diameters. Round your answer to the nearest tenth:

Problems

Work Space

Diameter= 6 in

Area: _____

Diameter= 9 yd

Area: _____

Diameter= 12 m

Area: _____

Diameter= 10 ft

Area: _____

Diameter= 14 cm

Area: _____

Student Name: _____

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Answers

Diameter= 6 in	
Area: 28.3 in^2	
Diameter= 9 yd	
Area: 63.6 yd^2	
Diameter= 12 m	
Area: 113.1 m^2	
Diameter= 10 ft	
Area: 78.5 ft^2	
Diameter= 14 cm	
Area: 153.9 cm^2	

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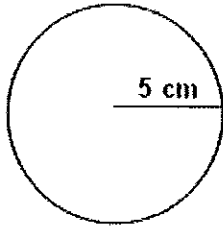
Area of Circle Worksheet

$$\text{Area of circle} = \pi r^2 \text{ sq. units}$$

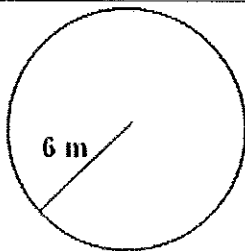
Find the area of the following circles: (Give your answer in terms of π)

Diagram

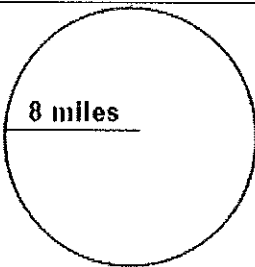
Work Space



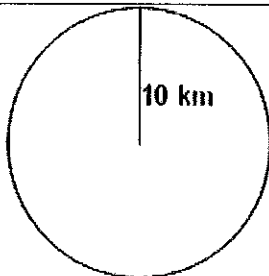
Area: _____



Area: _____



Area: _____

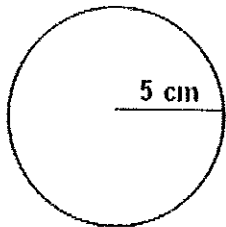


Area: _____

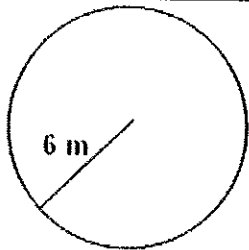
Student Name: _____

Score: _____

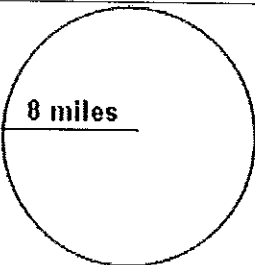
Answers



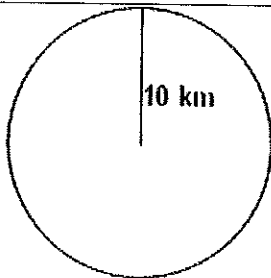
Area: $25\pi \text{ cm}^2$



Area: $36\pi \text{ m}^2$



Area: $64\pi \text{ miles}^2$



Area: $100\pi \text{ km}^2$

Student Name: _____

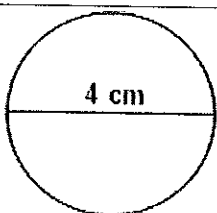
Score: _____

Area of Circle Worksheet

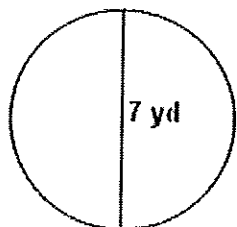
Find the area of the following circles for the given diameters: (Give your answer in terms of π)

Diagram

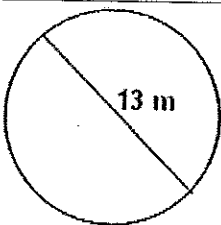
Work Space



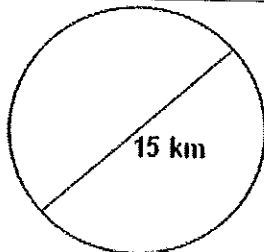
Area: _____



Area: _____



Area: _____

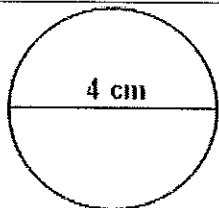


Area: _____

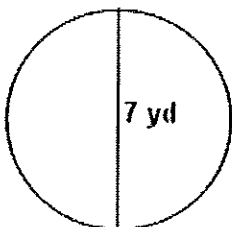
Student Name: _____

Score: _____

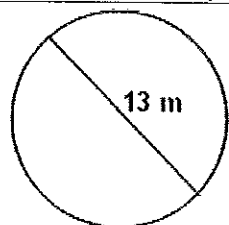
Answers



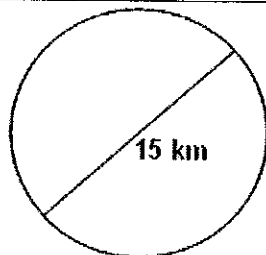
Area: $4\pi \text{ cm}^2$



Area: $12.25\pi \text{ yd}^2$



Area: $42.25\pi \text{ m}^2$



Area: $56.25\pi \text{ km}^2$

Student Name: _____

Score: _____

Area of Circle Worksheet

$$\text{Area of circle} = \pi r^2 \text{sq. units}$$

Find area of circles for the given radius. Round your answer to nearest tenth:

Problems

Work Space

Radius= 7 cm Area: _____	
Radius=4.5 m Area: _____	
Radius=9.1 ft Area: _____	
Radius=11 km Area: _____	
Radius=6.6 miles Area: _____	

Student Name: _____

Score: _____

Answers

Radius= 7 cm	
Area:153.9 cm ²	
Radius=4.5 m	
Area: 63.6 m ²	
Radius=9.1 ft	
Area: 260.2 ft ²	
Radius=11 km	
Area: 380.1 km ²	
Radius=6.6 miles	
Area: 136.8 miles ²	

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Area of Circle Worksheet

Find the exact area of the circle with the given diameter.

Work Space

1) Diameter = 8 cm

Area = _____

2) Diameter = 6 m

Area = _____

3) Diameter = 6.8 in

Area = _____

4) Diameter = 1 km

Area = _____

5) Diameter = 100 yd

Area = _____

Student Name: _____

Score: _____

Answers

1) Diameter = 8 cm

$$\text{Area} = 16\pi \text{ cm}^2$$

2) Diameter = 6 m

$$\text{Area} = 9\pi \text{ m}^2$$

3) Diameter = 6.8 in

$$\text{Area} = 11.56\pi \text{ in}^2$$

4) Diameter = 1 km

$$\text{Area} = 0.25\pi \text{ km}^2$$

5) Diameter = 100 yd

$$\text{Area} = 2500\pi \text{ yd}^2$$

Student Name: _____

Score: _____

Area of Circle Worksheet

Find the exact area of the circle with the given radius.

Work Space

1) Radius = 7 cm

Area = _____

2) Radius = 4 cm

Area = _____

3) Radius = 12 m

Area = _____

4) Radius = 8 yd

Area = _____

5) Radius = 15 in

Area = _____

Student Name: _____

Score: _____

Answers

1) Radius = 7 cm

$$\text{Area} = 49\pi \text{ cm}^2$$

2) Radius = 4 cm

$$\text{Area} = 16\pi \text{ cm}^2$$

3) Radius = 12 m

$$\text{Area} = 144\pi \text{ m}^2$$

4) Radius = 8 yd

$$\text{Area} = 64\pi \text{ yd}^2$$

5) Radius = 15 in

$$\text{Area} = 225\pi \text{ in}^2$$