

## Surface Area of a Sphere

Name: \_\_\_\_\_

Date: \_\_\_\_\_

To find the surface area of a sphere ( $A = 4\pi r^2$ ).

- 1) If the diameter is 14 mm then calculate the surface area of a sphere?

615.75 mm<sup>2</sup>

- 2) Calculate the surface area of a sphere if the diameter is 18 m.

\_\_\_\_\_

- 3) If the radius is 7 cm then calculate the surface area of a sphere?

\_\_\_\_\_

- 4) Calculate the surface area of a sphere if the diameter is 24 mm.

\_\_\_\_\_

- 5) If the radius is 11 cm then calculate the surface area of a sphere?

\_\_\_\_\_

- 6) If the diameter is 12 cm then calculate the radius of a sphere?

\_\_\_\_\_

- 7) Calculate the surface area of a sphere if the diameter is 28 mm.

\_\_\_\_\_

- 8) Calculate the diameter of a sphere if the radius is 8 mm.

\_\_\_\_\_

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Date: \_\_\_\_\_

To find the surface area of a sphere ( $A = 4\pi r^2$ ).

- 1) If the diameter is 14 mm then calculate the surface area of a sphere?

615.75 mm<sup>2</sup>

- 2) Calculate the surface area of a sphere if the diameter is 18 m.

1017.88 m<sup>2</sup>

- 3) If the radius is 7 cm then calculate the surface area of a sphere?

615.75 cm<sup>2</sup>

- 4) Calculate the surface area of a sphere if the diameter is 24 mm.

1809.56 mm<sup>2</sup>

- 5) If the radius is 11 cm then calculate the surface area of a sphere?

1520.53 cm<sup>2</sup>

- 6) If the diameter is 12 cm then calculate the radius of a sphere?

6 cm

- 7) Calculate the surface area of a sphere if the diameter is 28 mm.

2463.01 mm<sup>2</sup>

- 8) Calculate the diameter of a sphere if the radius is 8 mm.

16 mm