

Student Name: _____

Score: _____

Surface Area of a Cone

Work Space

<p>Find the surface area of a cone with radius 5 inches and slant height 8 inches.</p> <p>Answer:</p>	
<p>Diameter and slant height of a cone is 4.2 feet and 5.5 feet respectively. Find the surface area of a cone.</p> <p>Answer:</p>	
<p>Radius = 4.8 yard; Slant height = 6 yard. Find the surface area of a cone.</p> <p>Answer:</p>	
<p>Diameter = 6 cm; Height = 4 cm. Find the surface area of a cone. (Hint: Calculate slant height using Pythagorean theorem)</p> <p>Answer:</p>	
<p>Find the surface area of a conical tank with radius 5.1 feet and slant height 8.2 feet. Round the answer to the nearest whole number.</p> <p>Answer:</p>	

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Answers:

Work Space

Find the surface area of a cone with radius 5 inches and slant height 8 inches.

Answer: $65\pi \text{ in}^2$

Diameter and slant height of a cone is 4.2 feet and 5.5 feet respectively. Find the surface area of a cone.

Answer: $15.96\pi \text{ ft}^2$

Radius = 4.8 yard; Slant height = 6 yard. Find the surface area of a cone.

Answer: 51.84 yd^2

Diameter = 6 cm; Height = 4 cm. Find the surface area of a cone. (Hint: Calculate slant height using Pythagorean theorem)

Answer: $24\pi \text{ cm}^2$

Find the surface area of a conical tank with radius 5.1 feet and slant height 8.2 feet. Round the answer to the nearest whole number.

Answer: 213 ft^2