

Surface Area of a Triangular Pyramid

Name: _____

Date: _____

To find the surface area of a triangular pyramid ($SA = A + \frac{3}{2}bs$).

- 1) Find the surface area of a triangular pyramid with a base length of 26.4centimeters, apothem length of 8.3centimeters and a slant height of 38.8centimeters.

- 2) Find the base area of the triangular pyramid whose lateral edge is 38.6meters, apothem length of 12.2meters and the height is 22.7meters?

- 3) Find the surface area with a base length of 8.3centimeter, apothem length of 5.7centimeter and a slant height of 18.9centimeter.

- 4) Find the surface area of a triangular pyramid with a base length of $\frac{2}{5}$ inch, apothem length of $\frac{1}{8}$ inch and a slant height of $\frac{3}{4}$ inch.

- 5) Find is the slant height of a triangular pyramid with a base area of 131.6 square inches, apothem length of 11.2inches and a height of 23.5 inches?

- 6) The surface area of a triangular pyramid is given by 1849.5square meters, apothem length of 13.2meters and the side of the pyramid is 27.4meters. Find the slant height of the triangular pyramid.

- 7) The surface area of a triangular pyramid is 1191.8square centimeters, apothem length of 11.8centimeters and the side of the square is 20.2centimeters. Find the slant height of the triangular pyramid.

- 8) What is the base area of the triangular pyramid whose lateral edge is 17.3yards, apothem length of 8.9yards and the height is 10.2yards?

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To find the surface area of a triangular pyramid ($SA = A + \frac{3}{2}bs$).

- 1) Find the surface area of a triangular pyramid with a base length of 26.4centimeters, apothem length of 8.3centimeters and a slant height of 38.8centimeters.

1646.04 square centimeters

- 2) Find the base area of the triangular pyramid whose lateral edge is 38.6meters, apothem length of 12.2meters and the height is 22.7meters?

138.47 square meters

- 3) Find the surface area with a base length of 8.3centimeter, apothem length of 5.7centimeter and a slant height of 18.9centimeter.

258.96 square centimeters

- 4) Find the surface area of a triangular pyramid with a base length of $\frac{2}{5}$ inch, apothem length of $\frac{1}{8}$ inch and a slant height of $\frac{3}{4}$ inch.

0.475 square inches

- 5) Find is the slant height of a triangular pyramid with a base area of 131.6 square inches, apothem length of 11.2inches and a height of 23.5 inches?

37.2 inches

- 6) The surface area of a triangular pyramid is given by 1849.5square meters, apothem length of 13.2meters and the side of the pyramid is 27.4meters. Find the slant height of the triangular pyramid.

40.6 meters

- 7) The surface area of a triangular pyramid is 1191.8square centimeters, apothem length of 11.8centimeters and the side of the square is 20.2centimeters. Find the slant height of the triangular pyramid.

35.4 centimeters

- 8) What is the base area of the triangular pyramid whose lateral edge is 17.3yards, apothem length of 8.9yards and the height is 10.2yards?

45.39 square yards
