

## 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 is the slant height of a triangular pyramid with a base area of 66.5 square inches, apothem length of 7inches and a height of 19 inches?

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- 2) Find the surface area of a triangular pyramid with a base length of  $\frac{6}{8}$  inch, apothem length of  $\frac{2}{5}$  inch and a slant height of  $\frac{4}{5}$  inch.

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- 3) What is the base area of the triangular pyramid whose lateral edge is 28yards, apothem length of 3yards and the height is 18yards?

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- 4) Find the surface area of a triangular pyramid with a base length of 23centimeters, apothem length of 6centimeters and a slant height of 36centimeters.

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- 5) Find the base area of the triangular pyramid whose lateral edge is 40meters, apothem length of 8meters and the height is 27meters?

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- 6) Find the surface area with a base length of 5centimeter, apothem length of 3centimeter and a slant height of 10centimeter.

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- 7) The surface area of a triangular pyramid is 1518square centimeters, apothem length of 15centimeters and the side of the square is 22centimeters. Find the slant height of the triangular pyramid.

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- 8) The surface area of a triangular pyramid is given by 2096square meters, apothem length of 20meters and the side of the pyramid is 32meters. Find the slant height of the triangular pyramid.

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

- 1) Find is the slant height of a triangular pyramid with a base area of 66.5 square inches, apothem length of 7inches and a height of 19 inches?

35 inches

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- 2) Find the surface area of a triangular pyramid with a base length of  $\frac{6}{8}$  inch, apothem length of  $\frac{2}{5}$  inch and a slant height of  $\frac{4}{5}$  inch.

1.05 square inches

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- 3) What is the base area of the triangular pyramid whose lateral edge is 28yards, apothem length of 3yards and the height is 18yards?

27 square yards

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- 4) Find the surface area of a triangular pyramid with a base length of 23centimeters, apothem length of 6centimeters and a slant height of 36centimeters.

1311 square centimeters

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- 5) Find the base area of the triangular pyramid whose lateral edge is 40meters, apothem length of 8meters and the height is 27meters?

108 square meters

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- 6) Find the surface area with a base length of 5centimeter, apothem length of 3centimeter and a slant height of 10centimeter.

82.5 square centimeters

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- 7) The surface area of a triangular pyramid is 1518square centimeters, apothem length of 15centimeters and the side of the square is 22centimeters. Find the slant height of the triangular pyramid.

41 centimeters

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- 8) The surface area of a triangular pyramid is given by 2096square meters, apothem length of 20meters and the side of the pyramid is 32meters. Find the slant height of the triangular pyramid.

37 meters

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