

## Surface Area of a Square Pyramid

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

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

To find the surface area of a square pyramid ( $A = b^2 + 2bs$ ).

- 1) Find the surface area with a base length of 5centimeters, and a slant height of 9centimeters.

\_\_\_\_\_

- 2) The surface area of a square pyramid is given by 945square meters and the side of the square is 15meters. Find the slant height of the square pyramid.

\_\_\_\_\_

- 3) The surface area of a square pyramid is 400square centimeters and the side of the square is 10centimeter. Find the slant height of the square pyramid.

\_\_\_\_\_

- 4) Find is the surface area of a square pyramid with a base area of 144 square inches and a slant height of 17 inches?

\_\_\_\_\_

- 5) Find the base area of the square pyramid whose lateral edge is 8meters and the height is 6meters?

\_\_\_\_\_

- 6) What is the surface area with a base length of  $\frac{3}{4}$  inch, and a slant height of  $\frac{1}{2}$  inch.

\_\_\_\_\_

- 7) Find the surface area of a square pyramid with a base length of 18centimeters, and a slant height of 21centimeters.

\_\_\_\_\_

- 8) What is the base area of the square pyramid whose lateral edge is 19.4yards and the base length is 10yards.

\_\_\_\_\_

## Surface Area of a Square Pyramid

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

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

To find the surface area of a square pyramid ( $A = b^2 + 2bs$ ).

- 1) Find the surface area with a base length of 5centimeters, and a slant height of 9centimeters.

115 square centimeters

---

- 2) The surface area of a square pyramid is given by 945square meters and the side of the square is 15meters. Find the slant height of the square pyramid.

24meters

---

- 3) The surface area of a square pyramid is 400square centimeters and the side of the square is 10centimeter. Find the slant height of the square pyramid.

15 centimeters

---

- 4) Find is the surface area of a square pyramid with a base area of 144 square inches and a slant height of 17 inches?

552 square inches

---

- 5) Find the base area of the square pyramid whose lateral edge is 8meters and the height is 6meters?

36 square meters

---

- 6) What is the surface area with a base length of  $\frac{3}{4}$  inch, and a slant height of  $\frac{1}{2}$  inch.

1.313 square inches

---

- 7) Find the surface area of a square pyramid with a base length of 18centimeters, and a slant height of 21centimeters.

1080 square centimeters

---

- 8) What is the base area of the square pyramid whose lateral edge is 19.4yards and the base length is 10yards.

100 square yards

---