

Surface Area of a Square Pyramid

Name: _____

Date: _____

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

- 1) Find the base area with a base length of 6.5meters, and a slant height of 9.6meters.

- 2) The surface area of a square pyramid is given by 662.892square meters and the side of the square is 13.15meters. Find the slant height of the square pyramid.

- 3) The surface area of a square pyramid is 852.64square centimeters and the side of the square is 14.6centimeter. 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 19.2 inches?

- 5) Find the base area of the square pyramid whose lateral edge is 17.8meters and the height is 16.6meters?

- 6) What the base area with a base length of $\frac{12}{5}$ inches, and a slant height of $\frac{13}{5}$ inches.

- 7) Find the surface area of a square pyramid with a base area of 18.49 square centimeters, and a slant height of 21.8centimeters.

- 8) What is the surface area of the square pyramid whose lateral edge is 24.5 inches and the base length is 19.3inches?

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

- 1) Find the base area with a base length of 6.5meters, and a slant height of 9.6meters.

42.25 square meters

- 2) The surface area of a square pyramid is given by 662.892square meters and the side of the square is 13.15meters. Find the slant height of the square pyramid.

18.63meters

- 3) The surface area of a square pyramid is 852.64square centimeters and the side of the square is 14.6centimeter. Find the slant height of the square pyramid.

21.9 centimeters

- 4) Find is the surface area of a square pyramid with a base area of 144 square inches and a slant height of 19.2 inches?

604.8 square inches

- 5) Find the base area of the square pyramid whose lateral edge is 17.8meters and the height is 16.6meters?

275.56 square meters

- 6) What the base area with a base length of $\frac{12}{5}$ inches, and a slant height of $\frac{13}{5}$ inches.

5.76 square inches

- 7) Find the surface area of a square pyramid with a base area of 18.49 square centimeters, and a slant height of 21.8centimeters.

205.97 square centimeters

- 8) What is the surface area of the square pyramid whose lateral edge is 24.5 inches and the base length is 19.3inches?

1318.19 square inches
