GRADE 6 MATH · CLASSWORK · SPECIAL ED

Find the Surface Area of a Square Pyramid

SCORE / 25

01 Part A · Practice

SA of a square pyramid = area of the square base + area of the 4 triangles (½ × base × slant height each).

EXAMPLE

Base 6 in., slant height 5 in.

1. Base: $6 \times 6 = 36$ in.^{2}.
2. One triangle: $\frac{1}{2} \times 6 \times 5 = 15$; four: 60.
3. $SA = 36 + 60 = 96$ in.^{2}.

WORDS TO KNOW

pyramid	a solid with one base and triangle faces that meet at a point
slant height	the height of a triangle face of a pyramid
square pyramid	a pyramid whose base is a square

1 ●○○

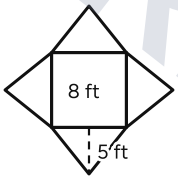
A square pyramid has base edges of 6 in. and a slant height of 5 in. Find its surface area.

HINT SA = base area + 4 triangles.

2 ●○○

Use the net to find the surface area.

HINT Add the area of the square and the 4 triangles.



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Preview - the full worksheet and its answer key are at primeworksheet.com