GRADE 7 MATH · CLASSWORK · ADVANCED

Describe Cross Sections of Right Rectangular Pyramids

SCORE / 25

01 Part A · Practice

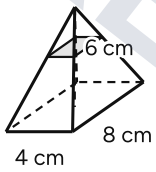
Slices parallel to the base: smaller rectangles. Vertical slices through the apex: triangles.

EXAMPLE

Pyramid: 6 m by 4 m base, 5 m tall. Describe the vertical slice through the apex along the 6 m edge.

1. Through the apex: a triangle with base 6 m.
2. Its height is the pyramid's height, 5 m (area 15 m^2).

1 ●○○ The pyramid is sliced parallel to its base (shaded). What shape is the cross section? How does it compare to the base?



2 ●○○ Pyramid: 12 by 16 yd base, 10 yd tall. Describe the vertical slice through the apex along the base's width.

3 ●○○ A pyramid with a 14 by 10 ft base is sliced parallel to the base halfway up. Find the slice's dimensions.

4 ●○○ A pyramid with a 10 by 16 in. base is sliced parallel to the base halfway up. Find the slice's dimensions.

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