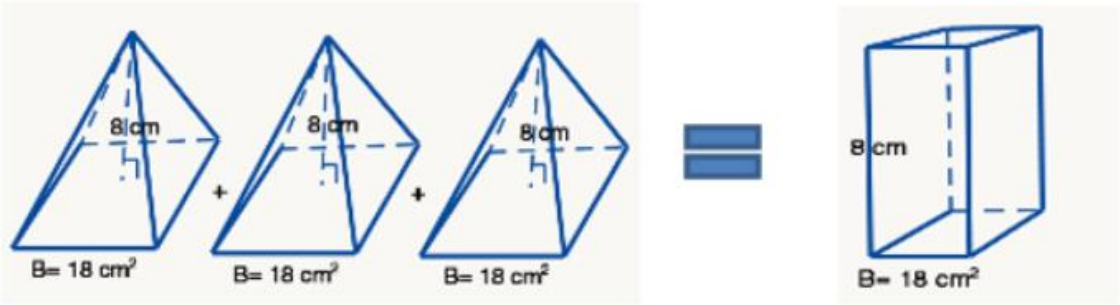
Possible Solutions

Model the relationship between the volume of a prism and a pyramid with congruent bases and heights and connect it to the formula.

Solution 1



3 x volume of a rectangular pyramid = volume of rectangular prism

$3 \times \frac{1}{3}Bh = Bh$

$3 \times \frac{1}{3}(18)8 = 18(8)$

$18(8) = 18(8)$

$144\ cm^3 = 144\ cm^3$

Solution 2

3 x volume of a rectangular pyramid = volume of a rectangular prism

$3 \times (\frac{1}{3}\ B \times h) = B \times h$

$B \times h = B \times h$