

# Volume of Square Based Pyramid

The volume of a square based pyramid can be found by using the formula

$$\text{Volume} = \frac{1}{3} \times \text{area of base} \times \text{height} \quad \text{or} \quad V = \frac{1}{3}bh$$

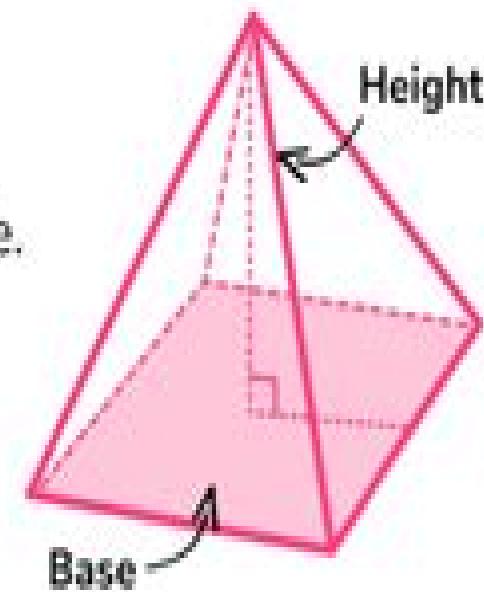
The height should always be perpendicular ( $90^\circ$ ) to the base.



Example Find the volume of a square based pyramid with height 6cm and base side length 4cm:

$$\text{Volume} = \frac{1}{3} \times 4 \times 4 \times 6 = \frac{1}{3} \times 96 = 32\text{cm}^3$$

The base side length is 4cm, so the area of the base is  $4 \times 4$ , because the base is a square



# Volume Of Square Based Pyramid

**Alfred Hiley**

## Volume Of Square Based Pyramid:

*The Mathematics Education for the Future Project. Proceedings of the 13th International Conference Mathematics Education in a Connected World* Alan Rogerson,2015-07-01 This volume contains the papers presented at the International Conference on Mathematics Education in a Connected World held from September 16-21 2015 in Catania Italy The Conference was organized by The Mathematics Education for the Future Project an international educational project founded in 1986

**Jacaranda Maths Quest 12 Essential Mathematics Units 3 & 4 for Queensland, 2e learnON and Print** Mark Barnes,2025-11-24

**GCSE Mathematics for Edexcel Higher Student Book** Karen Morrison,Julia Smith,Pauline McLean,Nick Asker,Rachael Horsman,2015-05-21 A new series of bespoke full coverage resources developed for the 2015 GCSE Mathematics qualifications Endorsed for the Edexcel GCSE Mathematics Higher tier specification for first teaching from 2015 this Student Book provides full coverage of the new GCSE Mathematics qualification With a strong focus on developing problem solving skills reasoning and fluency it helps students understand concepts apply techniques solve problems reason interpret and communicate mathematically Written by experienced teachers it also includes a solid breadth and depth of quality questions set in a variety of contexts GCSE Mathematics Online an enhanced digital resource incorporating progression tracking is also available as well as a free Teacher s Resource Problem solving Books and Homework Books

*Advanced Algebra with the TI-89* Brendan Kelly,2000

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Natural Geometry A. Mault,1877

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