Volume of a pyramid

MATHS·SCHOOL

maths-school.co.uk

Name:

Calculate the volume of these pyramids: **Diagrams not drawn to scale**

a)
4cm
4cm
4cm
21.32cm³

b)
8m
5m
5m
66.7m³

c)
10cm
12cm
9cm
360cm³

d)
8mm
5mm
8mm
106.7mm³

e)
8m
10m
10m
267.7m³

f)
5m
7m
7m
58.3cm³

g)
7cm
5cm
5cm
54.5cm³

h)
9cm
8cm
8cm
172.0cm³

i)
10m
12m
12m
384m³

j)
8cm
8cm
8cm
120.7cm³

📋 **Exam question:**

A square-based pyramid has a base with side length 10cm.
The perpendicular height of the pyramid is 16cm.
Calculate the volume of the pyramid to the nearest cm³.

16cm
10cm

533cm³