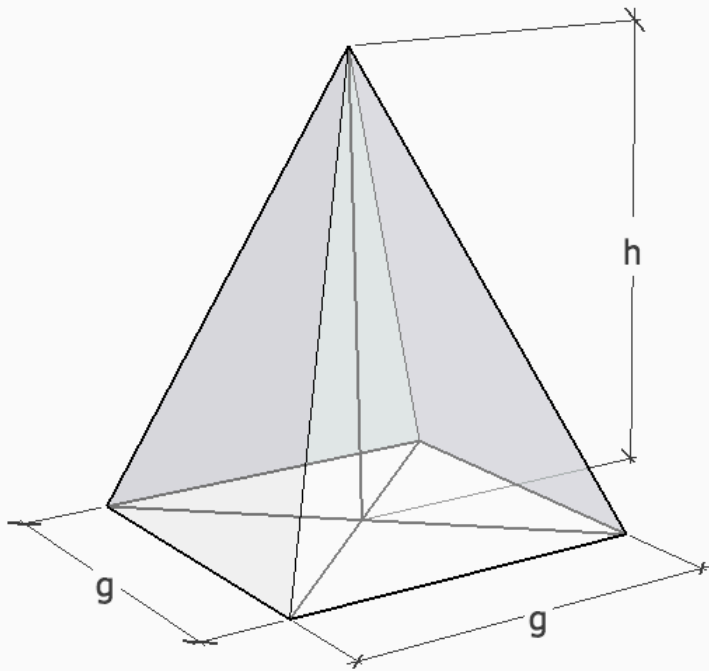


# Aufgabenblatt MB3 LU14 - ,Volumen Pyramide'



$$V = \frac{1}{3} \cdot g^2 \cdot h$$

$$g = \sqrt{\frac{3 \cdot V}{h}}$$

$$h = \frac{3 \cdot V}{g^2}$$

Basislänge g	Höhe h	Volumen V
30cm	30cm	V = <b>9'000cm<sup>3</sup></b>
30cm	h = <b>10cm</b>	3'000cm <sup>3</sup>
g $\cong$ <b>17,3cm</b>	30cm	3'000cm <sup>3</sup>
60cm	30cm	V = <b>36'000cm<sup>3</sup></b>
60cm	h = <b>25cm</b>	30'000cm <sup>3</sup>
g $\cong$ <b>38,7cm</b>	60cm	30'000cm <sup>3</sup>
x $\cong$ <b>44,8cm</b>	x $\cong$ <b>44,8cm</b>	30'000cm <sup>3</sup>