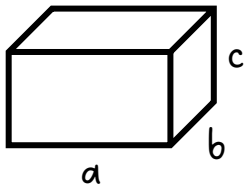


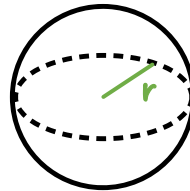
# Körper Volumen & Oberfläche

## Quader



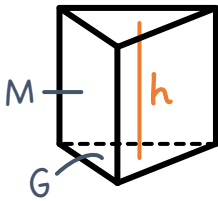
$$V = a \cdot b \cdot c$$
$$O = 2 \cdot (a \cdot b + a \cdot c + b \cdot c)$$

## Kugel



$$V = \frac{4 \cdot r^3 \cdot \pi}{3}$$
$$O = 2 \cdot r^2 \cdot \pi$$

## Prisma

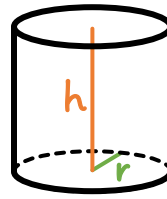


$$V = G \cdot h$$
$$O = 2 \cdot G + M$$

G: wie Dreieck

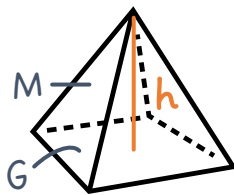
M: wie Rechteck (3x)

## Zylinder



$$V = r^2 \cdot \pi \cdot h$$
$$O = 2 \cdot r^2 \cdot \pi + 2 \cdot r \cdot \pi \cdot h$$

## Pyramide



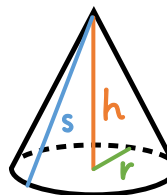
$$V = \frac{G \cdot h}{3}$$

$$O = G + M$$

G: wie Rechteck

M: wie Dreieck (4x)

## Kegel



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

$$O = r^2 \cdot \pi + r \cdot \pi \cdot s$$