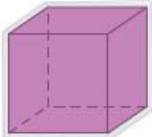
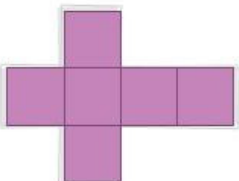
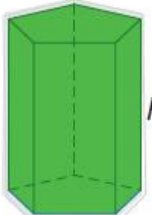
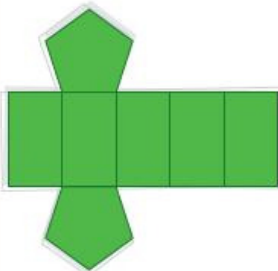

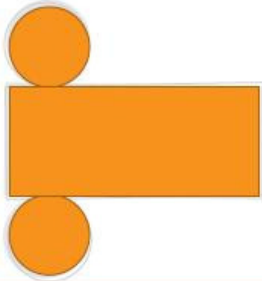
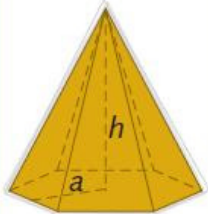
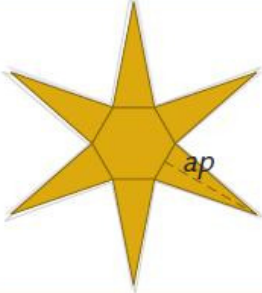
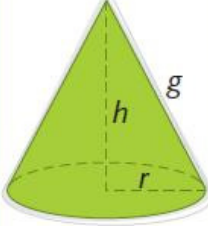
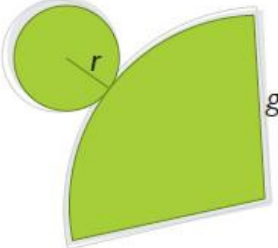
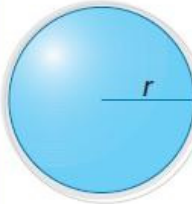


Áreas e volumes de sólidos

SÓLIDO	PLANIFICAÇÃO	ÁREA LATERAL	ÁREA TOTAL	VOLUME
 Cubo		$A_L = 4a^2$	$A_T = 6a^2$	$V = a^3$
 Prisma		$A_L = P_b \times h$ P_b — Perímetro da base	$A_T = 2A_b + A_L$ A_b — Área da base	$V = A_b \times h$
 Cilindro		$A_L = P_b \times g$ $= 2\pi r \times g$ g — Geratriz	$A_T = 2A_b + A_L =$ $= 2\pi r^2 + 2\pi r g$	$V = A_b \times h =$ $= \pi r^2 \times h$
 Pirâmide		$A_L = \frac{P_b}{2} \times ap$ ap — Apótema	$A_T = A_L + A_b$	$V = \frac{1}{3} A_b \times h$
 Cone		$A_L = \pi \times r \times g$	$A_T = A_L + A_b =$ $= \pi r g + \pi r^2$	$V = \frac{1}{3} A_b \times h =$ $= \frac{1}{3} \pi r^2 \times h$
 Esfera	—	—	$A = 4\pi r^2$	$A = \frac{4}{3} \pi r^3$