Área de Superficie de solidos

1. Cilindro: As = 2 π r (r + h)

 h = 10 cm.

 r = 5 cm.

 As = 2 π (5) (5 + 10)
 = 10π (15) = 150π cm2

1. Cono: As = π r (r + g)



g = 7 cm.

r = 4 cm.

As = π 4 (4 + 7)

 = π 4 (11) = 44π cm2

1. Prisma rectangular: As = 2ab + 2ac + 2bc

c = 3

b = 2

a = 4

As = 2ab + 2ac + 2bc

As = 2(4)(2) + 2(4)(3) + 2(2)(3)

As = 2(8) + 2(12) + 2(6)

As = 16 + 24 + 12 = **52 cm2**

a

1. Cubo As = 6 a2 = 6(32)

 = 6(9) = 54 cm

a = 3

a

1. Pirámide rectangular: As = l (a) + h(l + a)

 As = largo(ancho) + altura(largo + ancho)

As = l (a) + h(l + a)

As = 8 (5) + 10(8 + 5)

As = 40 + 10(13)

As = 40 + 130 = 170 cm2

1. Esfera: As = 4π r2

 As = 4π r2

 As = 4π (42)

 As = **64π cm2**