

Rec Prism

T&B $(12 \times 21) \times 2 = 504 \text{ cm}^2$
 F&B $(12 \times 11) \times 2 = 264 \text{ cm}^2$
 Sides $(21 \times 11) \times 2 = 462 \text{ cm}^2$
 $= 1230 \text{ cm}^2$

Total
 $+ 1230$
 $+ 1200$
 $= 504$
 $= 1926 \text{ cm}^2$

Tri Prism

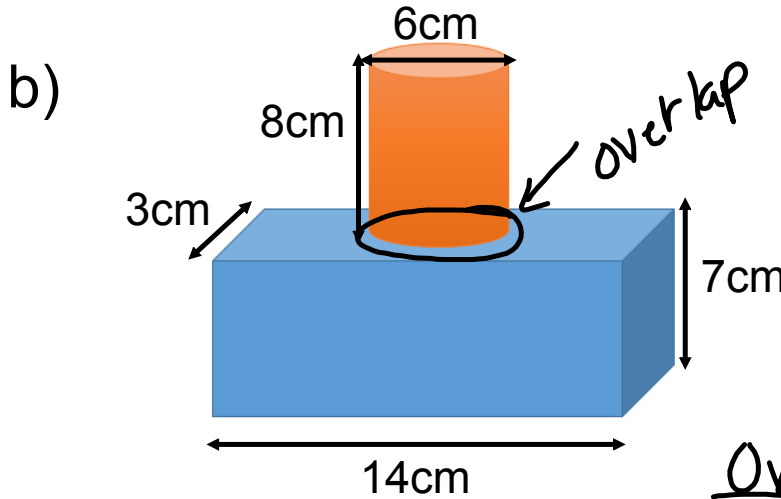
T&B $(12 \times 16) \times 2 = 384$
~~F&B $(12 \times 11) \times 2 = 264$~~
~~Sides $(21 \times 11) \times 2 = 462$~~

$12 \times 16 = 192 \text{ cm}^2$

21 $\boxed{336}$
 16 $\boxed{16}$
 21 $\boxed{420}$
 20 $\boxed{20}$
 21 $\boxed{252}$
 12

192
 $+ 336$
 420
 252
 $= 1200$

Overlap (Subt)
 $(12 \times 21) \times 2 = 504$



Rec Prism

$T \& B (14 \times 3) \times 2 = 84$

$F \& B (14 \times 7) \times 2 = 196$

$Sides (3 \times 7) \times 2 = 42$

$= 322$
 cm^2

Overlap (Subt)

$2 \pi r^2$

$2(3.14)(3)^2$
 $= 56.52$

Cylinder

$SA = 2\pi r^2 + 2\pi r h$

$SA = 2(3.14)(3)^2 + 2(3.14)(3)(8)$

$SA = 2(3.14)(9) + 150.72$

$SA = 56.52 + 150.72$

$SA = 207.24 cm^2$

Total

$+ 207.24$

322

$- 56.52$

$= 472.72 cm^2$

