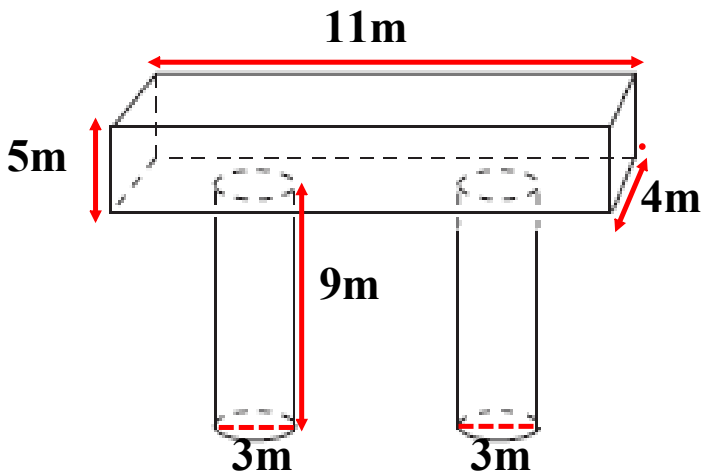


Don't forget to multiply by two when finding the overlap!!!



$T \& B$ $\frac{11}{44} 4 \times 2 = 88$

$F \& B$ $\frac{55}{11} 5 \times 2 = 110$

Sides $\frac{20}{4} 5 \times 2 = 40$

$$\begin{array}{r} 88 \\ 110 \\ 40 \\ \hline 238 \end{array} m^2$$

Cylinders

$$(2\pi r^2 + 2\pi rh) \times 2$$

$$\left(2(3.14)(1.5)^2 + 2(3.14)(1.5)(9) \right) \times 2$$

$$\left(2(3.14)(2.25) + 84.78 \right) \times 2$$

$$(14.13 + 84.78) \times 2$$

$$98.91 \times 2 = 197.82 m^2$$

$$\begin{array}{r} 238 \\ + 197.82 \\ \hline 435.82 m^2 \\ - 28.26 \\ \hline = 407.56 m^2 \end{array}$$

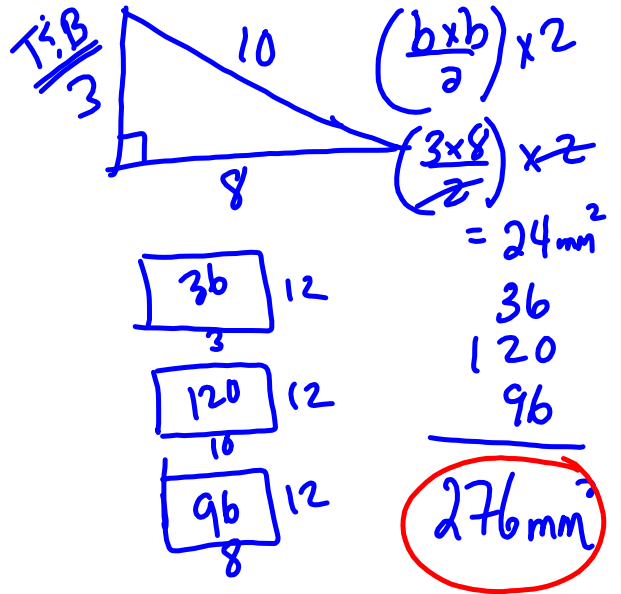
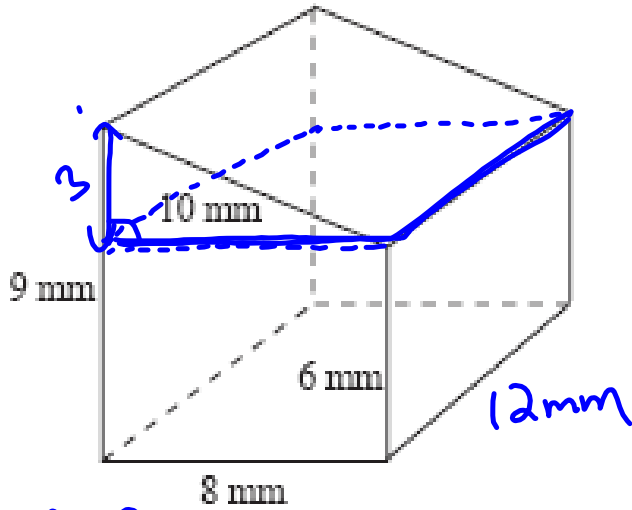
Overlap

$$\pi r^2 \times 4$$

$$(3.14)(1.5)^2 \times 4$$

$$(3.14)(2.25) \times 4$$

$$= 28.26$$



Rec Prism

T: B $8 \times 12 = 96 \times 2 = 192$

F: B $8 \times 6 = 48 \times 2 = 96$

Sides $12 \times 6 = 72 \times 2 = 144$
 $= 432 \text{ mm}^2$

Overlap

$8 \times 12 = 96$
 $96 \times 2 = 192$

Total

$$\begin{array}{r} 276 \\ + 432 \\ \hline 708 \\ = 192 \\ \hline = 516 \text{ mm}^2 \end{array}$$