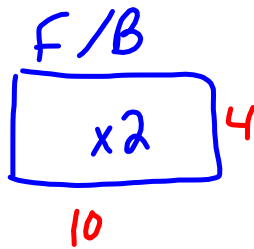
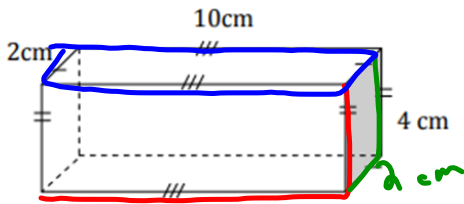


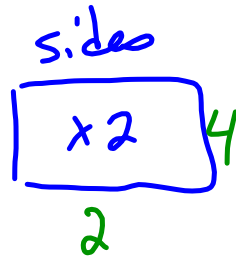
November 7, 2017

Warm-Up

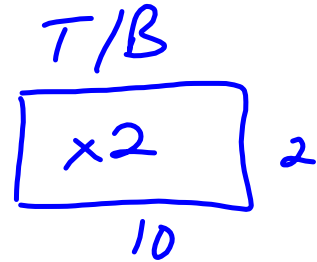
Ex 1: Find the surface area.



$$\begin{aligned}
 A &= bh \\
 &= 10 \times 4 \\
 &= 40 \\
 &\times 2 \\
 \hline
 &80
 \end{aligned}$$



$$\begin{aligned}
 A &= bh \\
 &= 2 \times 4 \\
 &= 8 \\
 &\times 2 \\
 \hline
 &16
 \end{aligned}$$

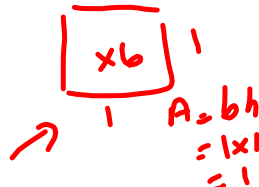
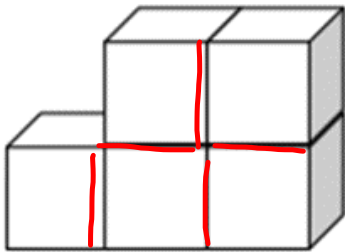


$$\begin{aligned}
 A &= bh \\
 &= 10 \times 2 \\
 &= 20 \\
 &\times 2 \\
 \hline
 &40
 \end{aligned}$$

+

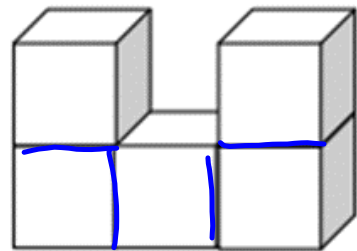
+

TSA = 136 cm²



① # of cubes \times SA 1 cube $\frac{x6}{6}$
 5×6
 30

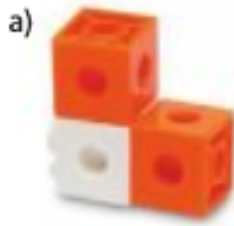
② TSA - # faces lost
 $30 - 10$
 20 units^2



① # of cubes \times SA 1 cube
 5×6
 30

② TSA - # faces lost
 $30 - 8$
 22 units^2

Page 30



#4



① #cubes x SA of one

$$3 \times 6$$

$$18 \text{ u}^2$$

← 2 connectors
units

② TSA - #faces lost

$$18 - 4$$

$$14 \text{ units}$$

① #cubes x SA of one cube

$$4 \times 6$$

$$24$$

← 6 u²
← 3 connectors

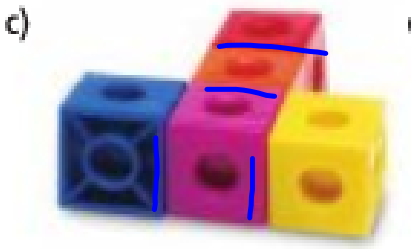
② TSA - #faces lost

$$24 - 6$$

$$18 \text{ units}^2$$

Page 30

c, d, e, f



① # cubes x SA of 1
 5×6
 30

② TSA - faces lost
 $30 - 8$
 22 units^2

cubes x SA of 1
 5×6
 30

TSA - faces lost \swarrow 5 connector
 $30 - 10$
 20 units^2

e)



f)



① # of cubes \times SA 1 cube
 5×6
 30

\leftarrow 4 connections

② TSA - faces lost
 $30 - 8$
 22 units^2

① # of cubes \times SA 1 cube
 6×6
 36

\leftarrow 5 connections

② TSA - faces lost
 $36 - 10$
 26 units^2

