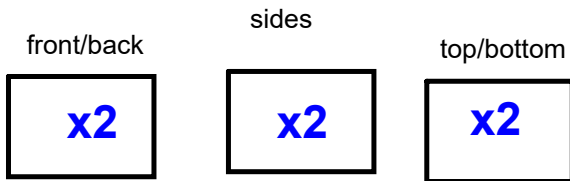


Warm-Up  
November 13, 2018

small

Big



$$A = bh$$

$$= 5 \times 2$$

$$= 10$$

$$\frac{x2}{20}$$

$$A = bh$$

$$= 3 \times 2$$

$$= 6$$

$$\frac{x2}{12}$$

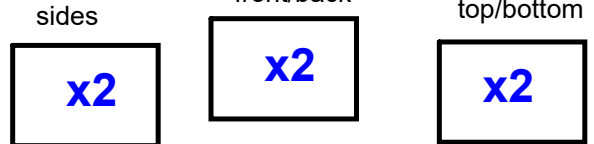
$$A = bh$$

$$= 5 \times 3$$

$$= 15$$

$$\frac{x2}{30}$$

**Total  $20 + 12 + 30 = 62 \text{ cm}^2$**



$$A = bh$$

$$= 8 \times 3$$

$$= 24$$

$$\frac{x2}{48}$$

$$A = bh$$

$$= 15 \times 8$$

$$= 120$$

$$\frac{x2}{240}$$

$$A = bh$$

$$= 15 \times 3$$

$$= 45$$

$$\frac{x2}{90}$$

**Total  $240 + 48 + 90 = 378$**

$\tau A = 62 + 378 = 440 \text{ total}$

**Total - Overlap/Connections**

$$440 - 12 = 428 \text{ cm}^2$$

3. B) small

(A)

T/B	sides	F/B	
$\boxed{x2} \ 2$ $\underline{\quad 2}$	$\boxed{x2} \ 1$ $\underline{\quad 2}$	$\boxed{x2} \ 1$ $\underline{\quad 2}$	
$A = bh$ $= 2 \times 2$ $= 4$ $\times 2$ $\underline{\quad 8}$	$A = bh$ $= 2 \times 1$ $= 2$ $\times 2$ $\underline{\quad 4}$	$A = bh$ $= 2 \times 1$ $= 2$ $\times 2$ $\underline{\quad 4}$	$= 16 \text{ cm}^2$

Middle

T/B	sides	F/B	
$\boxed{x2} \ 3$ $\underline{\quad 4}$	$\boxed{x2} \ 2$ $\underline{\quad 3}$	$\boxed{x2} \ 2$ $\underline{\quad 4}$	
$A = bh$ $= 4 \times 3$ $= 12$ $\times 2$ $\underline{\quad 24}$	$A = bh$ $= 3 \times 2$ $= 6$ $\times 2$ $\underline{\quad 12}$	$A = bh$ $= 4 \times 2$ $= 8$ $\times 2$ $\underline{\quad 16}$	$= 52 \text{ cm}^2$

Bottom

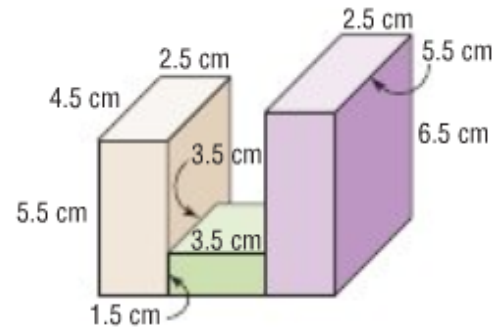
T/B	sides	F/B	
$\boxed{x2} \ 4$ $\underline{\quad 6}$	$\boxed{x2} \ 3$ $\underline{\quad 4}$	$\boxed{x2} \ 3$ $\underline{\quad 6}$	
$A = bh$ $= 6 \times 4$ $= 24$ $\times 2$ $\underline{\quad 48}$	$A = bh$ $= 4 \times 3$ $= 12$ $\times 2$ $\underline{\quad 24}$	$A = bh$ $= 6 \times 3$ $= 18$ $\times 2$ $\underline{\quad 36}$	

$108 + 52 + 16 = 176 \text{ cm}^2$

$\underline{\quad 32}$   
 $\underline{\quad 144 \text{ cm}^2}$

$108 \text{ cm}^2$

$\begin{array}{r} \overline{2.5} \\ A = bh \\ = 2.5 \times 5.5 \\ = 13.75 \\ \times 2 \\ \hline 27.5 \end{array}$	$\begin{array}{r} \overline{4.5} \\ A = bh \\ = 4.5 \times 5.5 \\ = 24.75 \\ \times 2 \\ \hline 49.50 \end{array}$	$\begin{array}{r} \overline{4.5} \\ A = bh \\ = 4.5 \times 2.5 \\ = 11.25 \\ \times 2 \\ \hline 22.50 \end{array}$
$27.5 + 49.50 + 22.50 =$		



Middle  
F/B

$$\begin{array}{r} \overline{1.5} \\ \times 2 \\ \hline 3.5 \end{array}$$

$A = bh$   
 $= 3.5 \times 1.5$   
 $= 5.25$   
 $\times 2$   
 $\hline 10.5$

side

$$\begin{array}{r} \overline{3.5} \\ \times 2 \\ \hline 1.5 \end{array}$$

$A = bh$   
 $= 1.5 \times 3.5$   
 $= 5.25$   
 $\times 2$   
 $\hline 10.5$

T/B

$$\begin{array}{r} \overline{3.5} \\ \times 2 \\ \hline 3.5 \end{array}$$

$A = bh$   
 $= 3.5 \times 3.5$   
 $= 12.25$   
 $\times 2$   
 $\hline 24.50$

$= 45.5$

Right  
F/B

$$\begin{array}{r} \overline{6.5} \\ \times 2 \\ \hline 2.5 \end{array}$$

$A = bh$   
 $= 2.5 \times 6.5$   
 $= 16.25$   
 $\times 2$   
 $\hline 32.5$

side

$$\begin{array}{r} \overline{5.5} \\ \times 2 \\ \hline 6.5 \end{array}$$

$A = bh$   
 $= 6.5 \times 5.5$   
 $= 35.75$   
 $\times 2$   
 $\hline 71.5$

T/B

$$\begin{array}{r} \overline{5.5} \\ \times 2 \\ \hline 2.5 \end{array}$$

$A = bh$   
 $= 2.5 \times 5.5$   
 $= 13.75$   
 $\times 2$   
 $\hline 27.5$

$= 131.5$

Total - faces lost  
 $276.5 - 10.5 - 10.5$

$255.5 \text{ cm}^2$

Page 31 # 8 b, c  
 Homework... Worksheet  
 $144 \text{ cm}^2$  ←  $255.5 \text{ cm}^2$

1.  $2800 \text{ cm}^2$

2.  $14750 \text{ cm}^2$

3.

# 4.  $1796 \text{ cm}^2$

# 5. 9200  
 No floor  
 OR  
 9050  
 [No door]

