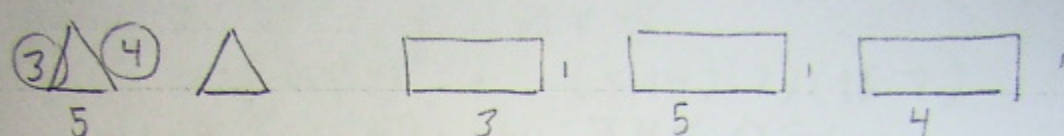


1.



$A = \frac{b \times h}{2}$
 $= \frac{3 \times 4}{2}$
 $= \frac{12}{2}$
 $= 6 \times 2$
 (12)

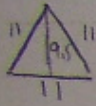
$A = L \times w$
 $= 3 \times 1$
 $= (3)$

$A = L \times w$
 $= 5 \times 1$
 $= (5)$

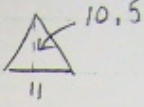
$A = L \times w$
 $= 4 \times 1$
 $= (4)$

$12 + 3 + 5 + 4$
 24 in^2

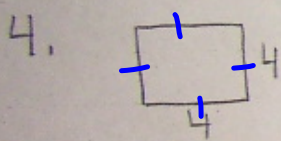
Bottom "Base"



Sides
Three are identical


$$A = \frac{b \times h}{2}$$
$$= \frac{11 \times 9.5}{2}$$
$$= 52.25$$
$$A = \frac{b \times h}{2}$$
$$= \frac{11 \times 10.5}{2}$$
$$= 57.75 \times 3$$
$$173.25$$
$$52.25 + 173.25$$
$$225.5 \text{ in}^2$$

$$\begin{aligned}
 3. \quad SA_{\Delta} &= \pi r^2 + \pi r s \\
 &= (3.14)(7)^2 + (3.14)(7)(15.7) \\
 &= (3.14)(49) + 345.086 \\
 &= 153.86 + 345.086 \\
 &= 498.946
 \end{aligned}$$

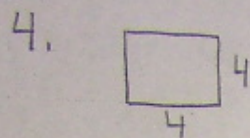


$$\begin{aligned}
 A &= L \times W \\
 &= 4 \times 4 \\
 &= 16 \text{ mi}^2
 \end{aligned}$$

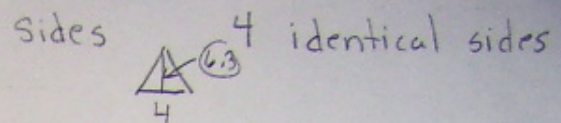
sides 4 identical sides.

$$\begin{aligned}
 A &= \frac{b \times h}{2} \\
 &= \frac{4 \times 6.3}{2} \\
 &= 12.6 \times 4 \\
 &= 50.4
 \end{aligned}$$

16 + 50.4



$$\begin{aligned}
 A &= L \times w \\
 &= 4 \times 4 \\
 &= \textcircled{16} \text{ mi}^2
 \end{aligned}$$



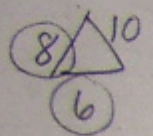
$$\begin{aligned}
 A &= \frac{b \times h}{2} \\
 &= \frac{4 \times 6.3}{2} \\
 &= 12.6 \times 4 \\
 &= \textcircled{50.4}
 \end{aligned}$$

$$\begin{aligned}
 16 + 50.4 \\
 66.4 \text{ mi}^2
 \end{aligned}$$

$$\begin{aligned}
 5. SA &= 4 \pi r^2 \\
 &= 4(3.14)(2.9)^2 \\
 &= 4(3.14)(8.41) \\
 &= 105.63 \text{ m}^2
 \end{aligned}$$

$$\pi \text{ button} \rightarrow 105.68 \text{ m}^2$$

6.

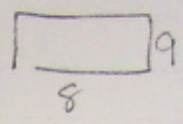


$$A = \frac{b \times h}{2}$$

$$= \frac{6 \times 8}{2}$$

$$= 24 \times 2$$

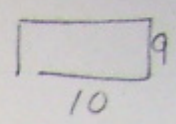
48



$$A = L \times W$$

$$= 8 \times 9$$

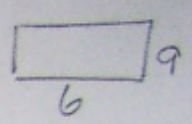
$$= 72$$



$$A = L \times W$$

$$= 10 \times 9$$

$$= 90$$



$$A = L \times W$$

$$= 6 \times 9$$

$$= 54$$

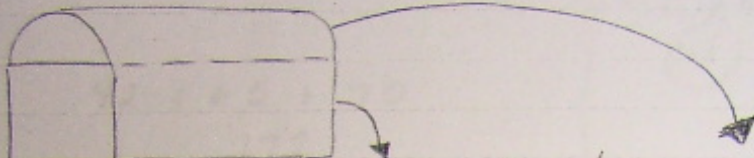
$$48 + 72 + 90 + 54$$

$$264 \text{ yd}^2$$

7.



7.



Rectangular Prism * No Top

Bottom	Front/Back	Side	Side
$A = L \times W$	$A = L \times w$	$A = L \times W$	$A = L \times W$
$= 4 \times 10$	$= 3 \times 4$	$= 10 \times 3$	$= 10 \times 3$
$\underline{40}$	$= 12$	$= 30$	$= 30$
	$\times 2$	$\times 2$	$\times 2$
	$\underline{24}$	$\underline{60}$	$\underline{60}$
$40 + 24 + 60$			
124			

$\frac{1}{2}$ of a Cylinder

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

$$= 2(3.14)(2)^2 + 2(3.14)(2)(10)$$

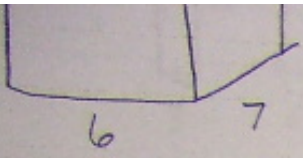
$$= 2(3.14)(4) + 125.6$$

$$= 25.12 + 125.6$$

$$= \frac{150.72}{2}$$

$\underline{75.36}$

$124 + 75.36$
 199.36 m^2



Rectangular Prism * No Top

Top & Bottom	Front & Back	Side & Side
$A = L \times W$	$A = L \times W$	$A = L \times W$
$= 6 \times 7$	$= 6 \times 5$	$= 7 \times 5$
$= 42$	$= 30$	$= 35$
	$\times 2$	$\times 2$
	60	70

$$42 + 60 + 70$$

$$\underline{\underline{172}}$$

8-5
Triangular Prism * Side Missing

$A = \frac{b \times h}{2}$	$A = L \times W$	$A = L \times W$	$A = L \times W$
$= \frac{3 \times 6}{2}$	$= 3 \times 7$	$= 6 \times 7$	$= 6.7 \times 7$
$= 9$	$= 21$	$= 42$	$= 46.9$
$\times 2$			
18			

$$18 + 21 + 46.9$$

$$\underline{\underline{85.9}}$$

$$172 + 85.9$$

$$257.9 \text{ cm}^2$$

9.

Rectangular Prism

Top Bottom	Front Back	Side Side
$A = L \times W$	$A = L \times W$	$A = L \times W$
$= 14 \times 5$	$= 14 \times 4$	$= 4 \times 5$
$= 70$	$= 56$	$= 20$
$\frac{\times 2}{140}$	$\frac{\times 2}{112}$	$\frac{\times 2}{40}$
	292	

2 Cylinders.

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

$$2(3.14)(1.5)(1.5) + 2(3.14)(1.5)(11)$$

$$103.62$$

$$\frac{\times 2}{207.24}$$

292 + 207.24
499.24

