



9 I divided the figure into two
I calculated the area of the entire rectangle. Then,
I subtracted the area of the triangle (shaded area)

$$\begin{array}{l}
 A = LW \\
 A = 64(58) \\
 A = 3712 \text{ m}^2 \\
 \text{Rectangle} \\
 \\
 A = \frac{1}{2}bh \\
 A = \frac{1}{2}(64)(31) \\
 A = 32(27) \\
 A = 864 \text{ m}^2 \\
 \text{TRIANGLE} \\
 \\
 \begin{array}{r}
 3712 \\
 - 864 \\
 \hline
 2848 \text{ m}^2 \\
 \text{Figure}
 \end{array}
 \end{array}$$

10 ~~Entire Flag:~~

$$\begin{array}{l}
 \text{a) TOP SQUARE: } 15 \cdot 15 = 225 \text{ cm}^2 \\
 \text{Middle Rectangle } 45 \cdot 15 = 675 \text{ cm}^2 \\
 \text{Bottom } \text{square} \text{ } 15 \cdot 15 = 225 \text{ cm}^2 \\
 \quad \quad \quad 1125 \text{ cm}^2 \\
 \text{b) Entire Flag } 60(60) = 3600 \text{ cm}^2 \\
 \quad \quad \quad \underline{\text{White region}} \quad \quad 1125 \text{ cm}^2 \\
 \quad \quad \quad \text{Red Region} \quad \quad \quad 2475 \text{ cm}^2
 \end{array}$$

11 $A = \frac{1}{2}h(b_1 + b_2)$
 $4 = \frac{1}{2}(1)(x + y)$

Since the answer is 4, $x + y$ has to equal 8 because $\frac{1}{2}$ of 8 = 4
 Possible whole numbers that sum to 8: 1, 7

- 2, 6
- 3, 5
- 4, 4
- ~~0, 8~~

Why did I cross this one out?