

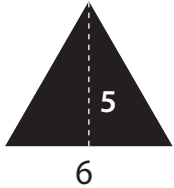


# Aye Aye, Area!



Calculate the area of the sail by finding the areas of the smaller triangles.

Remember, **triangle area =  $1/2$  (base x height)**



$$\text{Area} = \frac{1}{2} (6 \times 5) = 15 \text{ square feet}$$

1. **Triangle 1 area =  $1/2$  (base x height)**  
 $= 1/2 (9 \times 5) = 1/2 \times 45 = 22.5$
2. **Triangle 2 area =  $1/2$  (base x height)**  
 $= 1/2 (16 \times 3) = 1/2 \times 48 = 24$
3. **Triangle 3 area =  $1/2$  (base x height)**  
 $= 1/2 (11 \times 19) = 1/2 \times 209 = 104.5$
4. **Triangle 4 area =  $1/2$  (base x height)**  
 $= 1/2 (22 \times 3) = 1/2 \times 66 = 33$
5. **Triangle 5 area =  $1/2$  (base x height)**  
 $= 1/2 (10 \times 4) = 1/2 \times 40 = 20$
6. **Triangle 6 area =  $1/2$  (base x height)**  
 $= 1/2 (9 \times 6) = 1/2 \times 54 = 27$

$$\begin{aligned} \text{Sail area:} &= 22.5 + 24 + 104.5 + 33 + 20 + 27 \\ &= \underline{\underline{231 \text{ square feet}}} \end{aligned}$$

