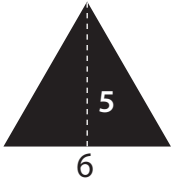


Aye Aye, Area!



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

Remember, **triangle area = $\frac{1}{2}$ (base x height)**



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

1. **Triangle 1 area = $\frac{1}{2}$ (base x height)**
 $= \frac{1}{2} (13 \times 2.5) = \frac{1}{2} \times 32.5 = 16.25$
2. **Triangle 2 area = $\frac{1}{2}$ (base x height)**
 $= \frac{1}{2} (8 \times 2) = \frac{1}{2} \times 16 = 8$
3. **Triangle 3 area = $\frac{1}{2}$ (base x height)**
 $= \frac{1}{2} (11 \times 6) = \frac{1}{2} \times 66 = 33$
4. **Triangle 4 area = $\frac{1}{2}$ (base x height)**
 $= \frac{1}{2} (10 \times 3) = \frac{1}{2} \times 30 = 15$
5. **Triangle 5 area = $\frac{1}{2}$ (base x height)**
 $= \frac{1}{2} (8.5 \times 6.5) = \frac{1}{2} \times 55.25 = 27.63$
6. **Triangle 6 area = $\frac{1}{2}$ (base x height)**
 $= \frac{1}{2} (9 \times 2) = \frac{1}{2} \times 18 = 9$

$$\begin{aligned} \text{Sail area:} &= 16.25 + 8 + 33 + 15 + 27.63 + 9 \\ &= \underline{\underline{108.88 \text{ square feet}}} \end{aligned}$$

