

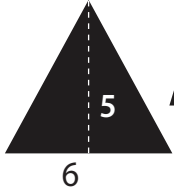


Aye Aye, Area!



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

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



Area = $1/2 (6 \times 5) = 15$ square feet

1. Triangle 1 area = $1/2(28 \times 7) = 1/2 \times 196 = 98'$
2. Triangle 2 area = $1/2(22 \times 6) = 1/2 \times 132 = 66'$
3. Triangle 3 area = $1/2(8 \times 2) = 1/2 \times 16 = 8'$
4. Triangle 4 area = $1/2(8 \times 13) = 1/2 \times 104 = 52'$

Sail 1 area: = $98 + 66 + 8 + 52$
= 224 square feet

5. Triangle 5 = $1/2(6 \times 3) = 1/2 \times 18 = 9'$
6. Triangle 6 = $1/2(9 \times 2) = 1/2 \times 18 = 9'$

Sail 2 area: = $9 + 9$
= 18 square feet

