



## 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** =  $1/2$  (6x5) = 15 square feet

1. Triangle 1 area =  $1/2$  (11 x 4) =  $1/2$  x 44 = 22
2. Triangle 2 area =  $1/2$  (21 x 8) =  $1/2$  x 168 = 84
3. Triangle 3 area =  $1/2$  (21 x 7) =  $1/2$  x 147 = 73.5
4. Triangle 4 area =  $1/2$  (9 x 18) =  $1/2$  x 162 = 81

**Sail 1 area:** = 22 + 84 + 73.5 + 81

= 260.5 square feet

5. Triangle 5 area =  $1/2$  (13 x 3) =  $1/2$  x 39 = 19.5
6. Triangle 6 area =  $1/2$  (8 x 5) =  $1/2$  x 40 = 20

**Sail 2 area:** = 19.5 + 20

= 39.5 square feet

