Help

Suppose you are stranded on an island. In order to be rescued, you need to show people that you need help. Below is the word HELP. Each \( \frac{1}{4} \) inch of the letter represents 5 feet.

1. How can you find the area of each letter?

2. What is the area of each letter and the exclamation point?

3. What is the total area of the letters and exclamation point?

4. If you know the entire area, how could you find the area of the white space?

5. The entire area is 5,500 ft\(^2\). What is the area of the white space?
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1. How can you find the area of each letter?
   
   Possible answer: Break each of the letters into small rectangles.

2. What is the area of each letter and the exclamation point?
   
   H: 600 ft$^2$; E: 500 ft$^2$; L: 325 ft$^2$; P: 500 ft$^2$;
   and !: 225 ft$^2$

3. What is the total area of the letters and exclamation point?
   
   2,150 ft$^2$

4. If you know the entire area, how could you find the area of the white space?
   
   Subtract the area of the letters from the entire area.

5. The entire area is 5,500 ft$^2$. What is the area of the white space?
   
   3,350 ft$^2$