Hunter needs exactly 6 metres of twinkle lights to decorate the roof-line of his house for the holidays. He has 3 strings of lights. The first string of lights covers 250 cm.

Which of the following options could represent the lengths of the other two strings of lights? Explain your thinking.

a) 175 cm and 175 cm  
b) 150 cm and 150 cm  
c) 180 cm and 170 cm  
d) 150 cm and 200 cm  
e) More than two of the above options are possibilities.  
f) None of the options above are possibilities.