

# Height of Firework

Step 1: Neatly fill in all the information about your problem in the picture below. Make sure to include the horizontal distance, the temperature of the air, and the time it took for the sound of the explosion to reach your person. Show the triangle you will be using and label one side height and one side total distance



Step 2: Neatly show your calculation for the speed of sound through the air

Step 3: Neatly show the calculation for the total distance between the firework explosion and the person.

Step 4: Finally, calculate the height of the explosion. Then enter your answers into the program to make sure you did everything correctly