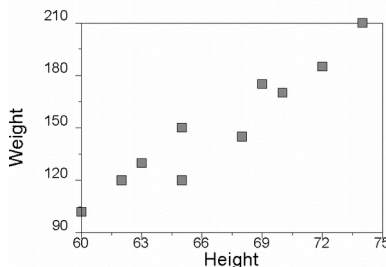


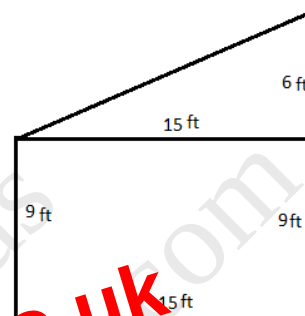
1. What is dependent and independent variables?
 - a. The amount of studying she did for the TEAS test impacted her score on her test.
 - b. A person exercises to control their blood pressure.
 - c. A worker gets paid by hour.
 - d. The graph below illustrates how two variables, x and y, might be related. What is the conclusion about the relationship between x and y?

Plot of Weight by Height

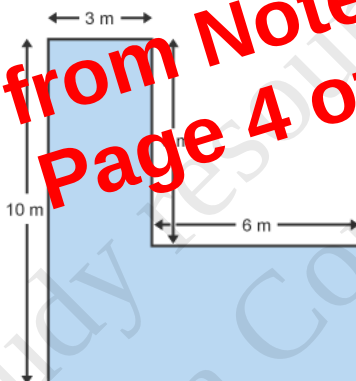


d. Calculate geometric quantities

1. A homeowner wishes to lay down carpeting in the area shown in the figure. How much carpeting is needed to cover this area?



2. What is the perimeter of the shape below?



e. Convert within and between standard and metric systems

1. Convert 16.7 inches to feet
2. Convert 25 yards to feet
3. Convert 4.75 cm to m
4. Convert 0.154 mi to cm
5. Convert 100 m to yards
6. Convert 0.23 L to mL