1.13	1 / -	C- CC
НΙ	ker's	Coffee

Name	
Date	Per

No. of people in family:	Pounds of coffee used:	Predicted Value	Residual Value
5	25		
8	30		
6	28		
7	31		
11	50		
10	45		
5	28		
7	35		
10	49		
6	35		
8	40		
7	37		
9	50		
12	55		
10	50		

- 1. Make a detailed, labelled graph using appropriate scales for the axes.
 - a. Sketch a line of best fit for the graph; that is, find the straight line that best fits the data.
 - b. Find the equation for your line of best fit.
 - c. Calculate and plot the residuals to prove your line is really the line of best fit.
 - d. Do you think your equation is a good fit? Why or why not?
 - e. Use your equation to determine how much coffee would be needed for a group of 27 people.



