Example 1

An experiment was set up to investigate the variation of the specific heat of a certain chemical with temperature. Two measurements of the specific heat were taken at each of a series of temperatures. The following results were obtained.

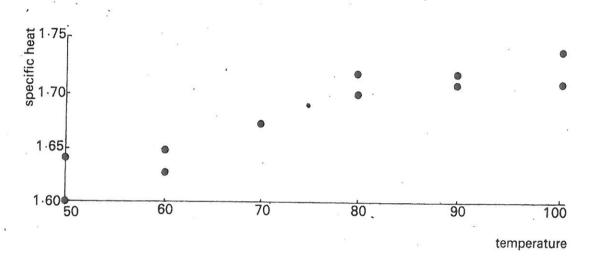


Figure 41 Scatter diagram of data of Example 1

Temperature °C	50	60	70	80	90	100
Specific heat	1.60		1.67		1.71	1.71
	1.64	1.65	1.67	1.72	1.72	1.74