

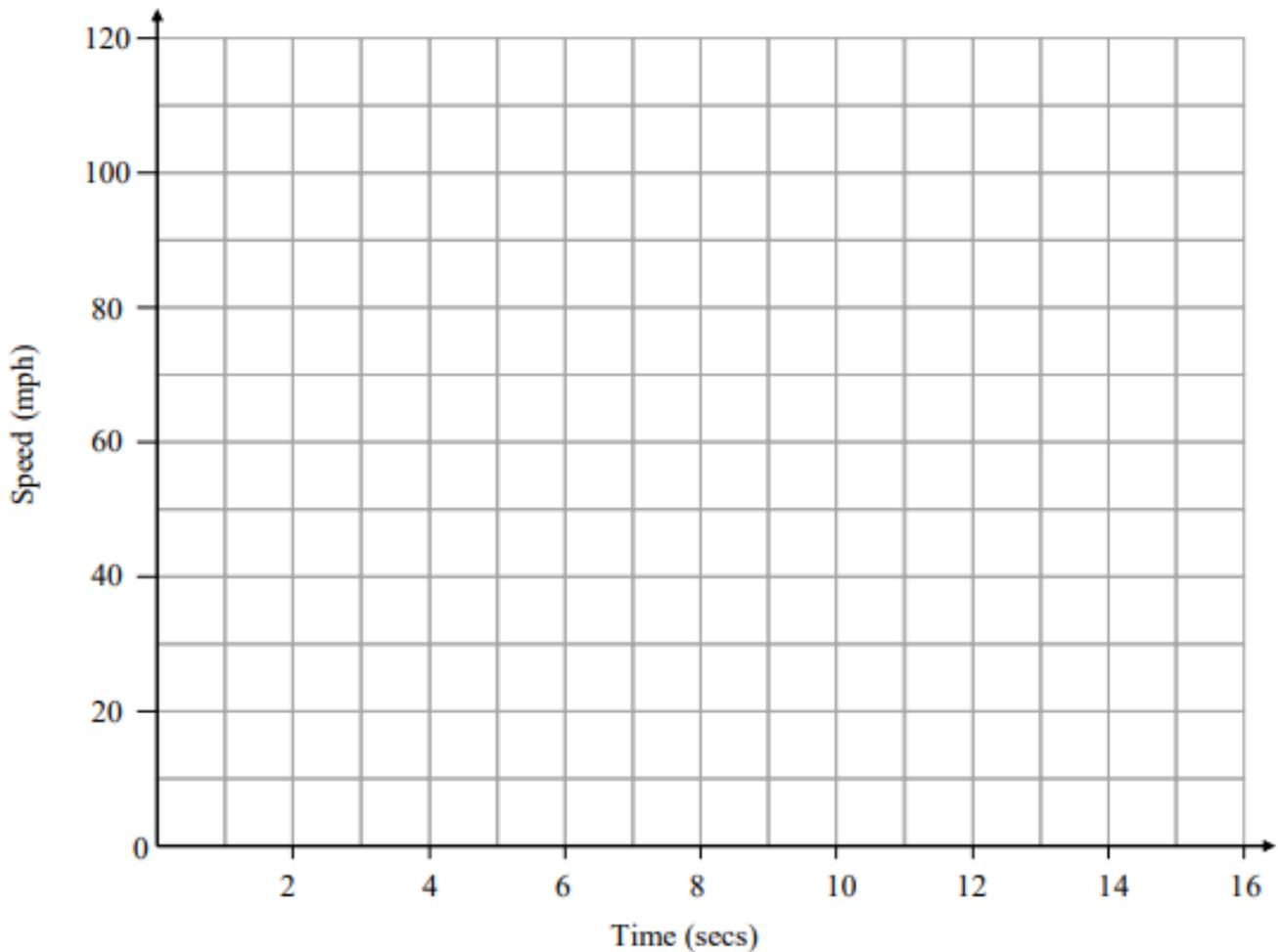
Name: _____

Scatter Graphs Worksheet

1. The following table shows the speed of a car accelerating from rest.

<i>Time (secs)</i>	0	2	6	8	12	16
<i>Speed (mph)</i>	0	10	50	60	80	110

- (a) Draw a scattergraph of the information on a copy of this grid..

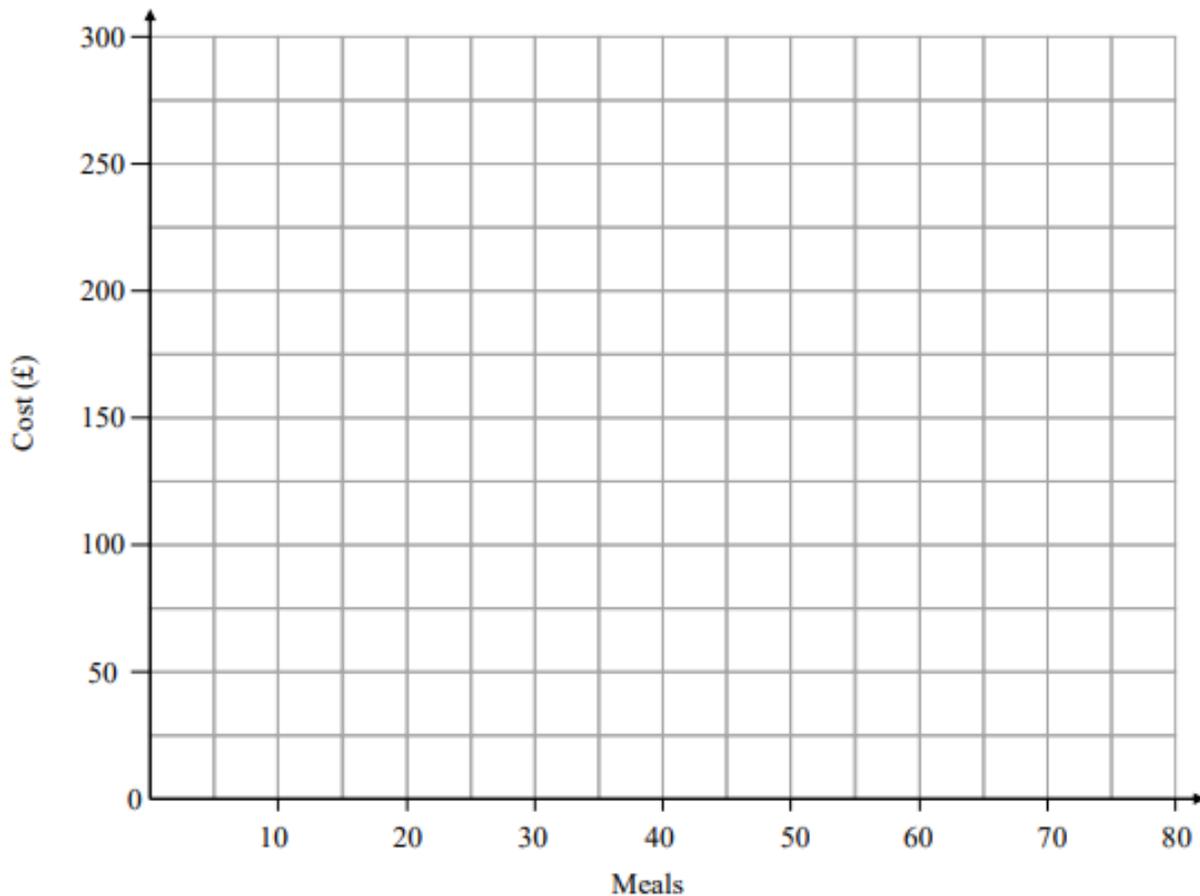


- (b) Draw the best fitting line on the graph.
- (c) Use your graph to estimate the speed after 4 seconds.

2. A restaurant manager finds that the cost of running his restaurant depends on the number of meals served.

(a) Draw a scattergraph of the information on a copy of this grid.

<i>Number of meals</i>	10	20	30	40	50	60
<i>Cost in £</i>	125	175	175	225	225	275



(b) Draw the best fitting line on the graph.

(c) Use your graph to estimate the cost of running the restaurant when 55 meals are served.

(d) The restaurant owner estimates the cost of running the restaurant when 75 meals were served would be £300. Is this a reasonable estimate?