

PLOTTING A GRAPH & INTERPRETING DATA

1. Use the information and the chart below to answer the following questions. Azimah is conducting an experiment to find the **effect of exercise on heartbeat rate**. Before she did 30 sit-ups her normal heartbeat rate was 70 bpm. After her sit-ups she recorded her heartbeat rate for the next 10 minutes as shown in the table 1 below.

Table 1

Time (minutes)	Heartbeat rate (bpm)
2	126
4	112
6	98
8	84
10	70

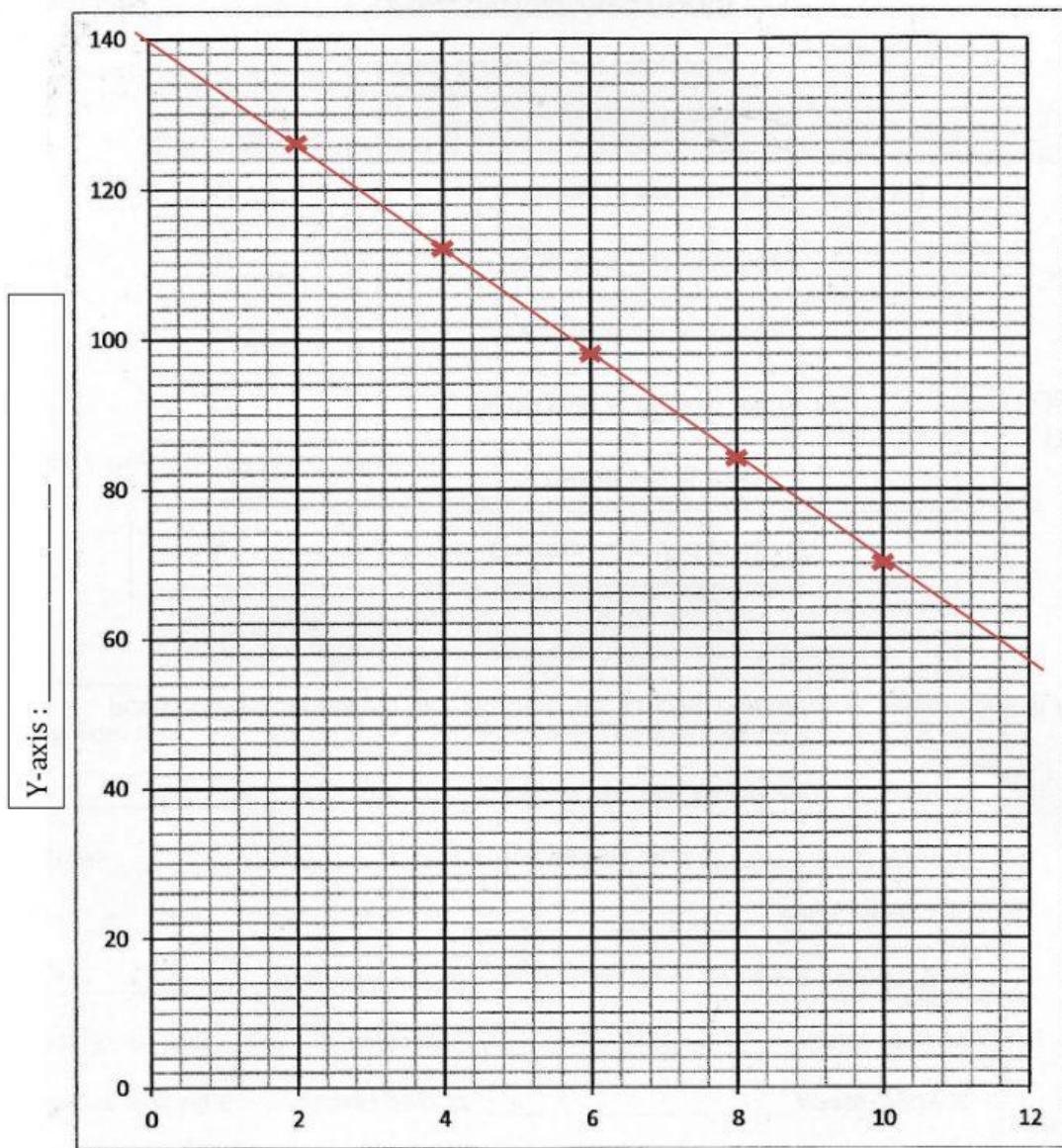
*bpm = beats per minute

- (A) Use the data given in Table 1 above to interpret data of a graph on **the heartbeat rate after exercise against time**:

Your graph should have the following:

- Label the axes as follows:
 - X-axis : **Time (minute)**
 - Y-axis : **Heartbeat rate (bpm)**
- State the **title** of the graph.

Title: _____



[3]

(B) From the graph, what is the heartbeat rate at 5 minutes?

[1]

_____ bpm

(C) When did Azimah reach her normal heartbeat rate?

[1]

_____ bpm

(D) What can you conclude from the experiment above?

[1]

The heartbeat rate is _____ (faster / slower) when we do exercise.