Name: _____

1. The line graph below shows the speed (in km/hr) of a racing car every 5 seconds of a lap around a race track.

Speed (km/hr)

Time (sec)
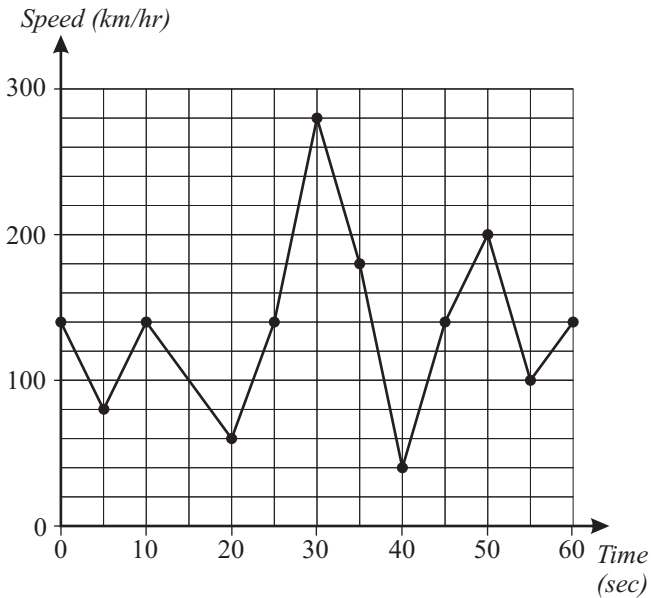
(a) What was the highest speed reached by the car ?

(b) How long after the start of the lap did this highest speed occur?

(c) What is the difference between the highest and lowest speeds shown on the graph?

(d) Between what two times was the increase of speed (acceleration) the greatest?

(e) Between what two times was the decrease of speed (deceleration) the greatest?

(f) Estimate the average speed of the racing car for the lap.

2. The water level (in metres) in a dam on a farm at the **end** of each month in a year is shown in this table.

Month	J	F	M	A	M	J	J	A	S	O	N	D
Level (m)	1.8	1.6	1.3	0.6	0.4	0.4	0.7	1.7	2.6	2.8	2.8	2.6

Plot a graph of this information on the axes below.
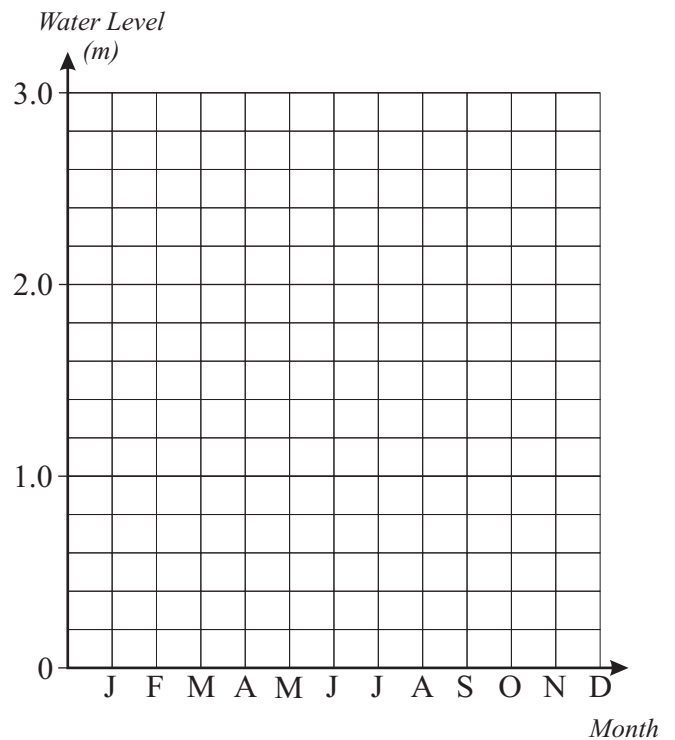
Water Level (m)

Month

(a) During which month did the water level *rise* by the greatest amount?

(b) What was the rise in the water level during this month?

(c) During which month did the water level ***fall*** by the greatest amount?

(d) What was the fall in the water level during this month?

(e) What was the change in the water level during winter?