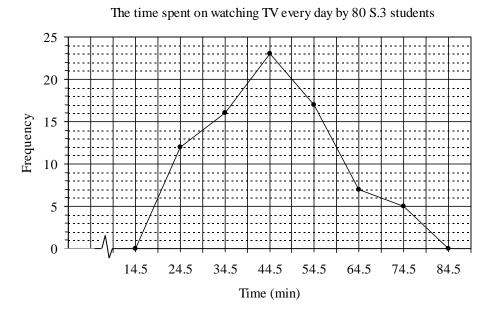
TB(2A) Ch. 6 More about Statistical Diagrams Conventional Questions

1. [13-14 S.3 Final Exam, #7]

The following frequency polygon shows the time (in min) spent on watching TV every day by 80 S.3 students.



(a) Complete the following table. (2 marks)

Class interval (min)	Class boundaries (min)	Class mark (min)	Frequency
20 - 29		24.5	12

- (b) What percentage of students watches TV for 39.5 min or more every day? (1 mark)
- (c) Write down the mean and the modal class of the time spent on watching TV. (2 marks)
- (d) If the time spent by 70% of the students is between 29.5 min and x min. Write down the value of x. (1 mark)

TB(2A) Ch. 6 More about Statistical Diagrams GHS Past Paper Question Bank – Conventional Questions

2. [14-15 S.2 Final Exam #7]

The frequency distribution table below shows the exam marks of 40 students.

Marks	21 - 30	31 - 40	41 - 50	51 - 60	61 – 70	71 - 80
Frequency	3	5	16	7	6	3

(a) Complete the cumulative frequency table below.

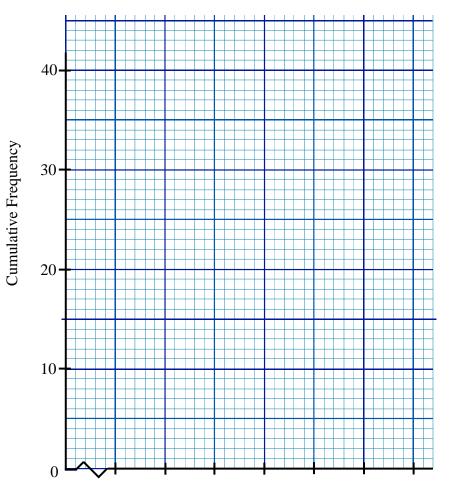
inplete the cumulative frequency table below.							(I main)
Marks less than							
Cumulative frequency							

(b) Construct a cumulative frequency polygon on the graph paper provided.

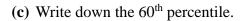
(2 marks)

(1 mark)

Cumulative Frequency Polygon of Exam Marks of 40



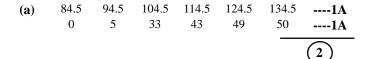
Exam Marks

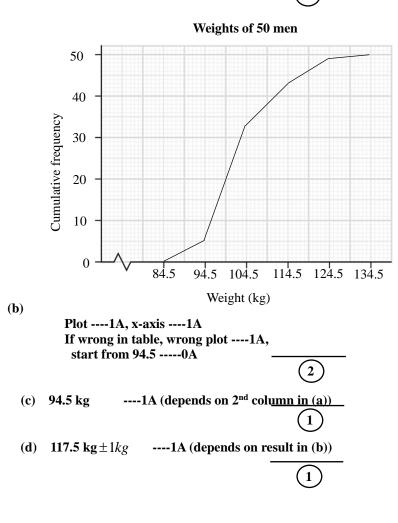


(1 mark)

TB(2A) Ch. 6 More about Statistical Diagrams GHS Past Paper Question Bank – Conventional Questions

3. [14-15 S.3 Final Exam #3]



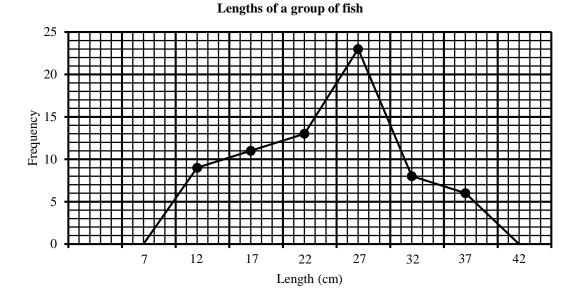


(2 marks)

(1 mark)

(1 mark)

4. [15-16 S.2 Mid-year Exam #11]



The above frequency polygon shows the lengths (in cm) of a group of fish in a fish pond.

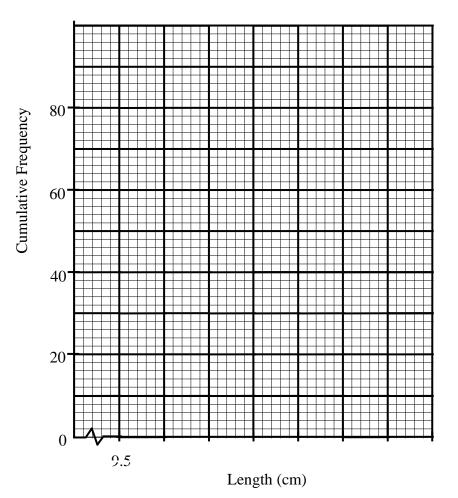
(a) Complete the table below.

Length (cm)	10 - 14			35 - 39]
Frequency		11	23		

- (b) How many fish are there in the fish pond?
- (c) Find the number of fish with lengths shorter than 24.5 cm. (1 mark)
- (d) (i) Complete the following cumulative frequency table.

Length less than (cm)				
Cumulative Frequency				

(ii) Construct a cumulative frequency polygon on the graph paper provided. (2 marks)



Cumulative Frequency Polygon of Lengths of a group of fish

5. [16-17 S.2 Mid-year Exam #8]

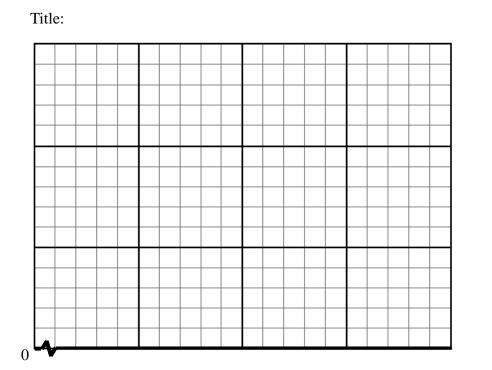
The following frequency distribution table shows the result of 40 participants in stage 1 of a competition.

(a) Complete the table below.

Score	Class boundaries	Class mark	Frequency
50 - 99		74.5	9
100 - 149		124.5	10
150 – 199		174.5	11
200 - 249		224.5	5
250 - 299		274.5	5

(1 mark)

(b) Draw a histogram to present the above data.



(c) Participants get score lower than 99.5 will be considered as failed and they cannot continue for stage 2; participants get score higher than 249.5 score will skip stage 2 and enter the final stage directly. Find the percentage of participants who DO NOT need to join stage 2. (2 marks)

~ End ~

(3 marks)