



Aberdare Community School
Mathematics Department

WJEC GCSE
Higher – Calculator
Data

Frequency diagrams and polygons

Name:

Set:

Date:

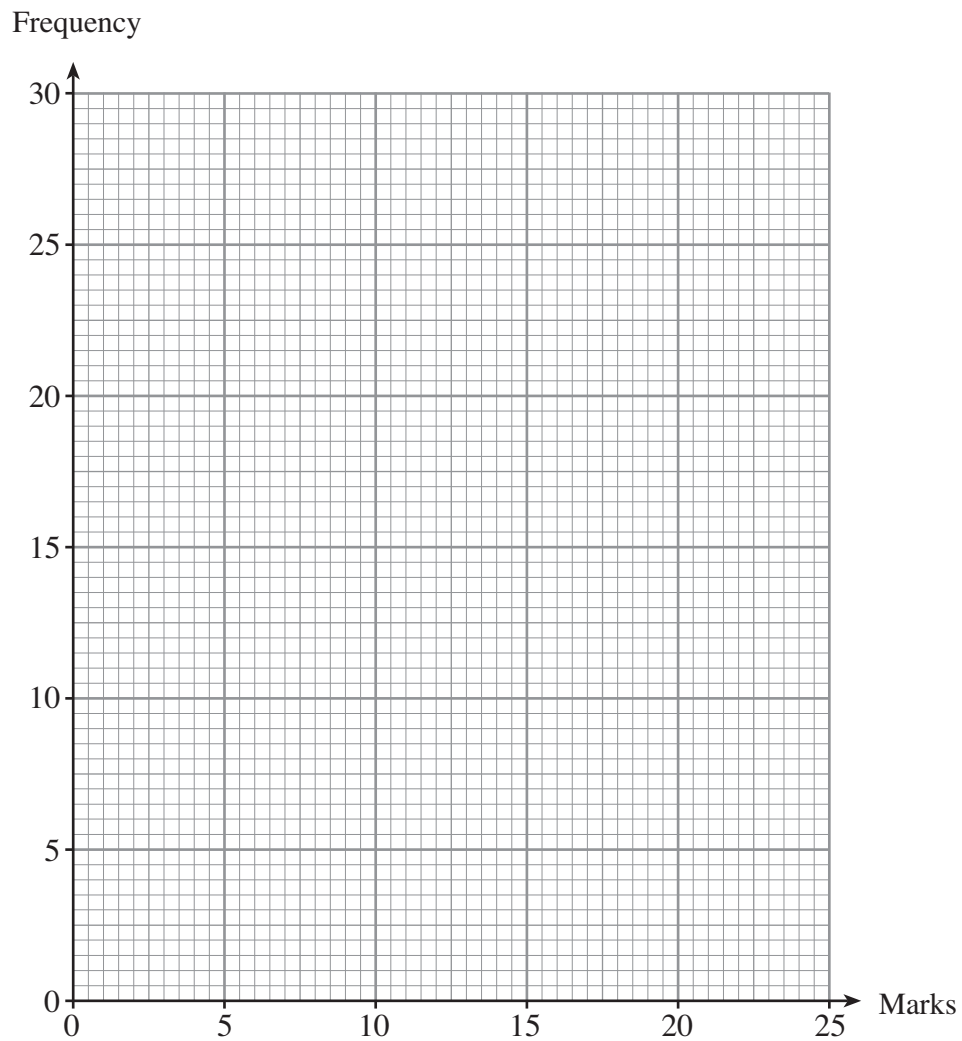
Teacher:

- (b) The marks obtained in a test taken by 60 children were recorded.
The table shows a grouped frequency distribution of the results.

Mark	1 to 5	6 to 10	11 to 15	16 to 20	21 to 25
Frequency	4	10	30	14	2

On the graph paper below, draw a frequency polygon to show the data.

[2]



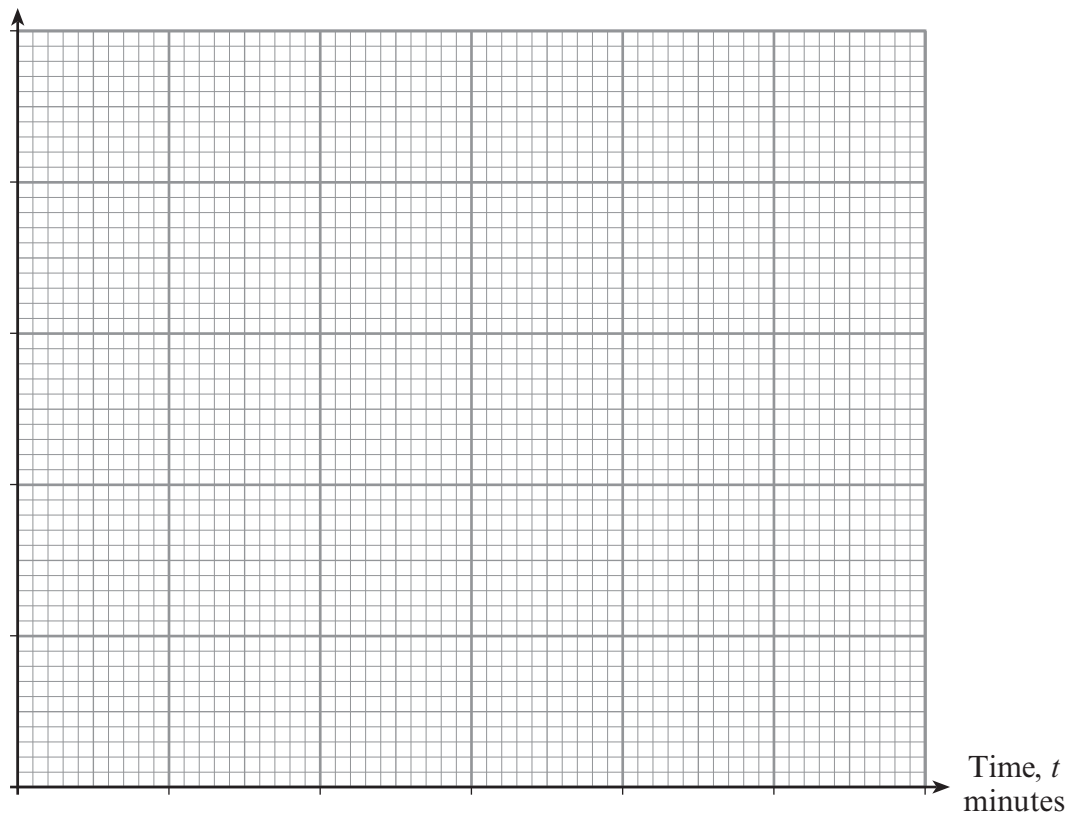
6. (a) One Saturday an internet café owner recorded the time each of 100 customers spent answering e-mails. The table below shows a summary of the results.

Time, t minutes	Frequency
$0 < t \leq 10$	23
$10 < t \leq 20$	27
$20 < t \leq 30$	32
$30 < t \leq 40$	16
$40 < t \leq 50$	2

On the graph paper below draw a frequency polygon for this data.

[3]

Frequency



- (b) Complete the cumulative frequency table for the times spent answering e-mails.

Time, t minutes	$t = 0$	$t \leq 10$	$t \leq 20$	$t \leq 30$	$t \leq 40$	$t \leq 50$
Cumulative frequency	0					

[1]

- (c) Write down an estimate for the median time that customers spent answering e-mails.

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- (b) The points scored by 40 fishermen in a competition were recorded. The table shows a grouped frequency distribution of the results.

Score	1 to 20	21 to 40	41 to 60	61 to 80	81 to 100
Frequency	4	16	12	6	2

On the graph paper below, draw a frequency polygon to show the data.

[2]

