AQA, OCR, Edexcel

GCSE

GCSE Maths

Estimate of the Mean Questions

Name:

MME

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Total Marks: /12

Estimate of Mean

1. The departing time of the train from York to Glasgow was monitored over the course of 6 months.
   The table summarises the length of departure delays which occurred during this time.

Minutes Delayed	Frequency
$0 < t \leq 2$	46
$2 < t \leq 4$	33
$4 < t \leq 6$	34
$6 < t \leq 8$	19
$8 < t \leq 10$	20
$10 < t \leq 12$	29

Calculate an estimate for the mean delay time for the train.

(4 Marks)

2. A super market monitored the number of items bough by each customer
   The table summarises the number of items bough by each customer.

Number of items	Frequency
$0 < n \leq 5$	10
$5 < n \leq 10$	13
$10 < n \leq 15$	22
$15 < n \leq 20$	15
$20 < n \leq 25$	6
$25 < n \leq 30$	3

Calculate the mean number of items purchased.

(4 Marks)

3. Samantha picks 100 strawberries and weighs them.
   The table below summarises the results.

Weight (Grams)	Frequency
$10 < g \leq 30$	3
$30 < g \leq 50$	13
$50 < g \leq 70$	30
$70 < g \leq 90$	44
$90 < g \leq 110$	10

Calculate the mean weight of the strawberries:

(4 Marks)