AQA, OCR, Edexcel

GCSE

GCSE Maths

Estimate of the Mean Answers

Name:

M M E

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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.

=5.2 minutes

(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
$6 < n \leq 10$	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.

= 13 items

(4 Marks)

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

Weight (Grams)	Frequency
10 < n ≤ 30	3
30 < n ≤ 50	13
50 < n ≤ 70	30
70 < n ≤ 90	44
90 < n ≤ 110	10

Calculate the mean weight of the strawberries:

=69 g

(4 Marks)