



Exit Ticket X2 - Averages and Range from Grouped Data

Name:

Date:

AQA
Assessment and Qualifications Alliance

The times taken by 19 students to run a race are shown in the grouped frequency table.

Time, t , (seconds)	Frequency
$20 \leq t < 25$	9
$25 \leq t < 30$	3
$30 \leq t < 40$	5
$40 \leq t < 45$	2

What is the modal class?

A $20 \leq t < 25$
 B $25 \leq t < 30$
 C $30 \leq t < 40$
 D $40 \leq t < 45$

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Correct Answer: A B C D

Explanation:

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Height	Mid-Point	Frequency	Mid-Point x Frequency
$22 \leq h < 27$?	9	

What should replace the “?”

A 24 **B** 49
C 25 **D** 24.5

Correct Answer: A B C D

Explanation:

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The following table shows the weight of Easter Eggs

Weight of Easter Eggs (g)	Frequency	Mid Point	Mid-Point x Freq	Cumulative Frequency
$100 \leq w < 200$	18	150	2700	18
$200 \leq w < 300$	16	250	4000	34
$300 \leq w < 500$	10	400	4000	44
$500 \leq w < 800$	12	650	7800	56
$800 \leq w < 1000$	4	900	3600	60
TOTALS	60		22100	

Which calculation would give you the estimate for the mean weight?

A $60 \div 22100$ **B** $22100 \div 60$
C $60 \div 5$ **D** $22100 \div 5$

Correct Answer: A B C D

Explanation:

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