New Maths GCSE: S4 - Mean from Grouped Data - Interpreting the Table

Name:					Date:
					_
The following ta	ble shows	the weig	ht of Easter E	ggs	Correct Answer: A B C D
Weight of Easter Eggs (g)	Frequency	Mid Point	Mid-Point x Freq	Cumulative Frequency	
100 s w < 200	18	150	2700	18	Explanation:
200 s w < 300	16	250	4000	34	
300 s w < 500	10	400	4000	44	
500 s w < 800	12	650	7800	56	
800 s w < 1000	4	900	3600	60	
TOTALS	60)		22100		
What does the circle	ed number	represen	it?		
A The total num of Easter Egg		В	The total the Easte		
Of Easter Egg	gs.		the Easte	rggs	
The average			The total r		
c weight of the	е	D		s that weigh	
Laster Eggs			more than	1 1000g	1
					1
The following ta					Correct Answer: A B C D
Weight of Easter Eggs (g)	Frequency 18	Mid Point	Mid-Point x Freq	Cumulative Frequency	Explanation:
100 s w < 200	16	150 250	2700	18 34	Explanation.
200 s w < 300	10	400	4000	44	
500 s w < 800	12	650	7800	56	
800 ≤ w < 1000	4	900	3600	60	
TOTALS	60		22100		
What does the circle	d number	renresen	+2		
The total numb		тергезен		al weight of the	
A that weigh bet		В	10 eggs in the	e 300 to 500g	
and 500g			category		
The average weight of the Easter Eggs between 300g and 500g			imate at the total		
		D	300 to 500g	e 10 eggs in the category	
					-
The following ta	hle shows	the weig	ht of Easter E	gge	Correct Answer: A B C D
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800 ≤ w < 1000	4	900	3600	60	
TOTALS	60		22100		
What does the circle	ed number	tell you?			
The total numb		P		weight of the eggs	
that weigh bets and 800g is 56		В	in this group	was 56g	
There were 56 eggs that weighed less than 800g					

ſ	The following tal	ble shows	the weig	ht of Easter F	ggs	Correct Answer: A B C D
	Weight of Easter Eggs (g)	Frequency	Mid Point	Mid-Point x Freq	Cumulative Frequency	
	100 s w < 200	18	150	2700	18	Explanation:
I	200 s w < 300	16	250	4000	34	
	300 s w < 500	10	400	4000	44	
I	500 s w < 800	12	650	7800	56	
I	800 s w < 1000	4	900	3600	60	
I	TOTALS	60		22100		
I	What does the circle	d number	represer	nt?		
I	The total numb		В		ght of the eggs in	
I	A that weigh betv	veen 200g	Б	the 200 to 30	00g category	
I						
I	The average we		D	The number weighed less	of eggs that	
L	and 300g			weighted less	s triair 500g	
	The following tal	ble shows	the weig	ht of Easter E	ggs	Correct Answer: A B C D
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	500 s w < 800	12	650	7800	56	
	800 s w < 1000	4	900	3600	60	
	TOTALS	60		22100		
	What does the circle	d number	represer	nt?		
I	The total numb	er of eggs	В	The lower bo	und for the gs in this group	
I	in this group			Weight of egg	3 III till3 Broop	
I	Th			Th		
I	The smallest nu eggs in this grou		D	weighed less	of eggs that s than 800g	
L		500				
ſ	The fellowing to	bla abassa	*h ==!=	ht of Footon F		Cowart Anguery A.B.C.D.
I	The following tal	Frequency	Mid Point	Mid-Point x Freq	Cumulative Frequency	Correct Answer: A B C D
I	100 ≤ w < 200	18	150	2700	18	Explanation:
I	200 s w < 300	16	250	4000	34	Explanation:
I	300 s w < 500	10	400	4000	44	
I	500 s w < 800	12	650	7800	56	
I	800 s w < 1000	4	900	3600	60	
I	TOTALS	60		22100		
I	What does the circle	d number	represer	nt?		
I	Our best estim		otal		weight of the	
I	A weight of the 1 100 to 200g car	8 eggs in the	e B	Easter Eggs I and 200g	between 100g	
I	100 to 2006 to	tegory				
I	The exact total v				umber of eggs between 100g	
I	18 eggs in the 10 category	00 to 200g	D	and 200g		
•						
ſ	The following tal	ble shows	the weig	ht of Easter E	ggs	Correct Answer: A B C D
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	500 s w < 800	12	650	7800	56	
	800 s w < 1000	4	900	3600	60	
	TOTALS	60		22100		
	What does the circle	d number	tell you?		M aggs that	
	There were 34		В		34 eggs that ween 200g and	
	weighed more	ınan 200g		300g		
١						
1				The second secon		
	C There were 34 weighed less th		D	The average in this group	weight of the eggs was 34g	

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00 s w < 800	12	650	7800	56	
00 s w < 1000	4	900	3600	60	
TOTALS	60		22100		
hat does the circle	d number	represer	nt?		
A Our best estimated total weight of Easter Eggs		В	The total nur Eggs	nber of Easter	
The exact total weight of all the Easter Eggs		The weight of all the Easter Eggs that weighed more than 1000g			
The following ta		the weig	ht of Easter E	Cumulative Frequency	Correct Answer: A B C D
	Frequency 18	Mid Point	Mid-Point x Freq	Cumulative Frequency	Explanation:
00 s w < 200	16	250	4000	34	Explanation:
	10	400	4000	44	
	12	650	7800	56	
00 s w < 800	4	900	3600	60	
100 s w < 1000	60	900	22100	60	
C-04/40			13.000		
A 60 ÷ 2		B		e mean weight? $0 \div 60$	
c 60 ÷	- 5	D	2210	00 ÷ 5	
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TOTALS	60		22100		
Why can we only cal	culate an e	estimate	for the mean	weight?	
A There are not e		В		ow how many	
We would need to round our answer We don't know the individual weights of the Easter Eggs					