

Q1. (2019)

(A)

9(a)	continuous	grouped	B1	both circled
	Additional Guidance			

(B)

9(b)	Alternative method 1		
	380 ÷ 2 or (380 + 1) ÷ 2 or 381 ÷ 2 or 190 or 190.5 or 191	M1	oe eg $\frac{59+158+106+45+12}{2}$ may be seen by the table
	$2 < t \leq 4$ with 190 or 190.5 or 191 seen	A1	
	Alternative method 2		
	$2 < t \leq 4$ with $59 + 158 - 106 - 45 - 12 = 54$ seen	B2	oe calculation eg $217 - 163 = 54$ B1 $59 + 158 - 106 - 45 - 12 = 54$ oe
	Additional Guidance		
	$2 < t \leq 4$ with 190 or 190.5 or 191 not seen		M0A0
	Condone 2 – 4 in both or one of the spaces on answer line if 190 or 190.5 or 191 seen		M1A1
	Condone missing brackets if recovered		
	Alt 2 54 with calculation not seen		B0
	Alt 2 $2 < t \leq 4$ and 54 with calculation not seen		B0

(C)

9(c)	$\frac{45+12}{380}$ or $\frac{57}{380}$ or $\frac{3}{20}$ or 0.15 or $100 + \frac{380}{57}$ or $57 + 3.8$	M1	oe proportion or calculation must use 380
	15	A1	
	Additional Guidance		
	$1 - \frac{59+158+106}{380}$ or $1 - \frac{323}{380}$ or $1 - \frac{17}{20}$ or $1 - 0.85$		M1
	Correct proportion seen even if not subsequently used		M1A0
	Do not allow misreads of 380		
	Build-up eg $10\% = 380 \div 10$ or 38 $5\% = 38 \div 2$ or 19 $38 + 19 = 57$ is M0A0 unless answer 15		

Q2. (2019)

25	8 + 19 or 27	M1	may be seen in the table
	$\frac{2}{5} \times 5 (\times 1)$ or 2	M1	oe eg $\frac{55-53}{5} \times 5$ or $\frac{50}{5 \times 10 + 10 \times 20 + 5 \times 26 + 15 \times 8} \times 2 \times 10$ or 0.1×20 may be seen on the histogram
	$\frac{8}{10} \times 10 \times 2$ or 16	M1	oe eg $\frac{63-55}{10} \times 10 \times 2$ or $\frac{50}{5 \times 10 + 10 \times 20 + 5 \times 26 + 15 \times 8} \times 8 \times 20$ or 0.1×160 may be seen on the histogram
	9	A1	
	Additional Guidance		
	18 (medium eggs) for Farm B with no incorrect working implies 2nd and 3rd M1		
	$(19 + 8 - 2 - 16 = 19 + 8 - 18) \quad 19 - 10 = 9$		M3A1
	$\frac{27}{50} - \frac{2}{50} - \frac{16}{50} = \frac{9}{50}$		M3A0
	8 + 19 + 15 + 8 does not score the 1st M1		
	8 27 42 50 is M0 unless they select 27		