

7C Half Term Assessment 2 Solutions

1	(a) 44°	2	M1 for $180 - 136$ or oe
	(b) 95°	2	M1 for $360 - (80 + 64 + 121)$ or $360 - 265$ oe
	(c) 44°	3	M1 for identifying 84° M1 for $180 - (52 + 84)$ oe
2	(a) 8.5	2	M1 for $\frac{6+11+3+14+11+8+5+10}{8}$ or $\frac{68}{8}$ oe
	(b) 6	1	
3	(a) Any fraction in the range $\frac{1}{2} < x < 1$	1	
	(b) i) $\frac{2}{3}$	1	
	ii) $\frac{5}{7}$	1	
4	(a) angle 91° to 120° inclusive The angle is bigger than a right angle. The angle is obtuse.	1 1	oe
	(b) i) 68° (within $\pm 2^\circ$)	1	
	ii) 113° (within $\pm 2^\circ$)	1	
5	(a) 5	1	
	(b) 9	1	
6	(a) $3x$	1	
	(b) $12m$	1	
	(c) $4a + 2b$	1	
	(d) $11t$	1	
7	(a) i) 0.25	1	
	ii) 0.44	1	
	(b) i) 52%	1	
	ii) 60%	1	
8	(a) 9	2	M1 for ordering the numbers and attempting to find the middle number
	(b) 4	1	
	(c) The medians show that Anne is the better at the memory game because she can remember one more item on average than Bev. The ranges show that Anne's results are also less varied so she is more likely to maintain a good score.	1 1	oe oe
9	(a) $\frac{6}{7}$	1	
	(b) $\frac{7}{8}$ or oe	2	M1 for $\frac{6+1}{8}$ or other correct common denominator
	(c) $\frac{3}{12}$ ($= \frac{1}{4}$) or oe	2	M1 for $\frac{7-4}{12}$ or other correct common denominator Condone attempt to add for M1
10	(a) 24	1	
	(b) 32	2	M1 for showing substitution of $C = 5 \times 7 - 3$

oe means or equivalent