

Y7 Spring KAP P1 Mark Scheme

1	85	B1	
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2(a)	2050 2500 20 005 25 000	B1	
2(b)	0.4 0.5 1 1.4	B1	
2(c)	$\frac{1}{2}$ $\frac{9}{10}$ 1 $\frac{5}{2}$	B1	

3(a)	50	B1	
3(b)	49	B2	B1 for any square number

4(a)	Maths and (History) 45 min and (Maths) 50 min	B2	B1 (History) 45 min or (Maths) 50 min
4(b)	(1.50 +) 1h 15 min	M1	$\frac{1}{4}$ h = 15 min
	3.05	A1	

5	Alternative method 1		
	1280 or 512	M1	
	their 1280 + their 512	M1	Allow up to 2 errors in their numbers but must have 0 units in their 1280
	1792	A1	
	Alternative method 2		
	Four values with at least 3 correct from 1200 80 480 32	M1	
	their 1200 + their 80 + their 480 + their 32	M1	Allow up to 2 errors in their numbers
	1792	A1	
	Alternative method 3		
		M1 M1 A1	

6(a)	2589	B1	
6(b)	59.82	B1	
6(c)	$(8 + 2) \times (9 - 5)$	B1	$(2 + 8) \times (9 - 5)$

7(a)	3200	B1	
7(b)	27	B1	
7(c)	4.8	B1	
7(d)	0.08	B1	

8	$75\% \rightarrow \frac{3}{4}$	B3	B2 2 correct B1 1 correct
	$\frac{4}{6} \rightarrow \frac{2}{3}$		
	$\frac{3}{8} \rightarrow \frac{12}{32}$		

9	5.2×10^{-4}	B1	
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10	$3.7(0) - 1.3(0)$	M1	370 – 130 if correct
	$2.4(0) \div 2$	M1	240 \div 2
	£1.20	A1	120p or £1.2 is M2A0

11(a)	Attempt at sum \div 10	M1	120 \div 10 if correct
	1.2	A1	SC1 $1\frac{1}{5}$ or $\frac{6}{5}$ oe fraction
11(b)	0	B1	

12(a)	$(-3, -2)$	B1	
12(b)	$(k, 1)$ marked on grid any $k > -3$ or $(3, 4)$ or $(3, -2)$	B1	

13(a)	4 by 3 or 6 by 1 rectangle drawn	B1	Do not accept a 5 by 2 rectangle in a different orientation
13(b)	4 by 4 square drawn	B1	

14	4×10^5	B2	B1 400 000 or correct answer not in standard form eg 40×10^4 or 8×10^7 or 2×10^2 or $8 \times 10^5 \div 2$ or $4 \times 10^7 \div 100$ B1ft value seen and then correctly converted to standard form eg 4 000 000 and 4×10^6 eg 40 000 and 4×10^4
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15	4 tins seen or implied	B1	eg $2\frac{1}{2} + 2\frac{1}{2} + 2\frac{1}{2} + 2\frac{1}{2}$
	their 4×18	M1	their 4 must be > 1

	72	A1ft	ft from B0 M1 SC1 64.8(0)
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16	13 20 27 and Add 7 or 15 27 39 and Add 12 or 20 15 10 and Subtract 5 or 27 20 13 and Subtract 7 or 39 27 15 and Subtract 12	B2	B1 one correct linear sequence (using numbers from the list) with no or incorrect rule
Additional Guidance			
	The rule may be stated in different ways. eg for 'Add 7' accept '+7' or '7 more' or 'goes up in 7s'		
	Using numbers not in the list		B0

17	$5 \div 8$	B1	Accept in words '5 divided by 8' Ignore any attempt to give an answer
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18	5	B2	B1 Two digits used which add up to 10
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19	$3 \times 2 (+) 5 \times 7$	M1	
	41	A1	

20	90° sector drawn	M1	
	120° sector drawn	M1	
	Fully correct pie chart with unambiguous labels	A1	