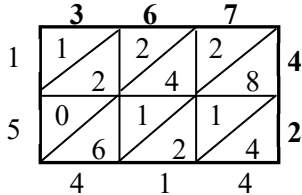


Paper: 1MA1/1H																																	
Question	Working	Answer	Mark	Notes																													
3 Q1	21840 1638 23478	234.78	M1	for complete method with relative place value correct including addition of all the appropriate elements of the calculation e.g. two lines of 1 st method, internal numbers of grids, or complete structure shown of partitioning methods																													
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;">5</td> <td style="text-align: center;">4</td> <td style="text-align: center;">6</td> <td></td> </tr> <tr> <td>2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">6</td> <td style="text-align: center;">2</td> <td style="text-align: center;">4</td> <td>4</td> </tr> <tr> <td>3</td> <td style="text-align: center;">1</td> <td style="text-align: center;">5</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">1</td> <td style="text-align: center;">8</td> <td>3</td> </tr> <tr> <td></td> <td style="text-align: center;">4</td> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			5	4	6		2	2	0	1	6	2	4	4	3	1	5	1	2	1	8	3		4	7	8					A1	for digits 23478
			5	4	6																												
	2		2	0	1	6	2	4	4																								
3	1	5	1	2	1	8	3																										
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<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td>500</td> <td>40</td> <td>6</td> </tr> <tr> <td>40</td> <td>20000</td> <td>1600</td> <td>240</td> </tr> <tr> <td>3</td> <td>1500</td> <td>120</td> <td>18</td> </tr> </table>		500	40	6	40	20000	1600	240	3	1500	120	18	A1	(ft dep M1) for correct placement of the decimal point into their final answer																			
	500	40	6																														
40	20000	1600	240																														
3	1500	120	18																														
20000 + 1600 + 240 + 1500 + 120 + 18 = 23478																																	

Paper: 1MA1/1H					
Question	Answer	Mark	Mark scheme	Additional guidance	
1 (a)	$\frac{95}{28}$	M1	for a method to add using common denominators with at least one fraction correct (matching numerator with common denominator) eg $\frac{60}{28} + \frac{35}{28}$ or $(2)\frac{4}{28} + (1)\frac{7}{28}$	Use of decimals gets no credit unless it leads to a correct fraction	
		A1	$\frac{95}{28}$ oe eg $3\frac{11}{28}$		
	1 (b)	$1\frac{3}{5}$	M1		for $\frac{6}{5} \times \frac{4}{3}$ or $\frac{24}{20} \div \frac{15}{20}$ or $\frac{8}{5}$ oe eg $1\frac{9}{15}$
			A1		cao

Paper: 1MA1/1H				
Question	Answer	Mark	Mark scheme	Additional guidance
9	$5\frac{3}{5}$	M1	for writing as improper fractions with at least one correct, eg $\frac{7}{2} \times \frac{8}{5}$ oe	
Q3		M1	(dep) for multiplying improper fractions, eg $\frac{56}{10}$ or $5\frac{6}{10}$ or $\frac{28}{5}$ oe	
		A1	cao	

Paper: 1MA1/1H				
Question	Answer	Mark	Mark scheme	Additional guidance
2	Shown	M1	for conversion to improper fractions eg. $\frac{7}{3}$ or $\frac{15}{4}$	Need not be shown with operators
Q4		M1	(dep) for method to multiply fractions, eg. $\frac{7 \times 15}{3 \times 4} (= \frac{105}{12})$ or $\frac{28 \times 45}{12 \times 12} (= \frac{1260}{144})$ oe	
		C1	for complete working showing each stage as far as $\frac{35}{4}$ or $8\frac{9}{12}$	

Paper: 1MA1/1H																
Question	Answer	Mark	Mark scheme	Additional guidance												
1 (a)	15.414	M1	for a complete method with relative place value correct including intention to add all the appropriate elements of the calculation eg 2 lines of the 1 st method, internal numbers of grids, or complete structure shown of partitioning methods.	14680 734 15414  <table border="1" data-bbox="1563 635 1995 743"> <tr> <td></td> <td>300</td> <td>60</td> <td>7</td> </tr> <tr> <td>40</td> <td>12000</td> <td>2400</td> <td>280</td> </tr> <tr> <td>2</td> <td>600</td> <td>120</td> <td>14</td> </tr> </table> 12000 + 2400 + 280 + 600 + 120 + 14 = 15414		300	60	7	40	12000	2400	280	2	600	120	14
			300	60	7											
		40	12000	2400	280											
2	600	120	14													
A1	for digits 15414															
		A1	(ft) dep on M1 for correct placement of the decimal point into their final answer													
(b)	37.4	M1	for a start to a method, eg $598.4 \div 16$ (or $59.84 \div 1.6$) = 3 (as a first digit)	A start to a repeated subtraction method or build-up method is acceptable if a correct first digit of 3 is found												
		A1	for digits 374													
		A1	(ft) dep on M1 for correct placement of the decimal point into their final answer													

Q5

Paper: 1MA1/1H				
Question	Answer	Mark	Mark scheme	Additional guidance
3	$1\frac{8}{15}$	M2	for a complete method, eg $4 - 2 + \frac{3}{15} - \frac{10}{15}$ condoning error with one numerator or for $\frac{21}{5} - \frac{8}{3} = \frac{63}{15} - \frac{40}{15} (= \frac{23}{15})$ with no more than one error	
Q6		(M1	for finding two fractions with a correct common denominator, with at least one correct corresponding numerator, eg $\frac{3}{15}, \frac{10}{15}$ or for converting both to improper fractions, eg $\frac{21}{5}, \frac{8}{3}$)	At least one improper fraction must be correct
		A1	$1\frac{8}{15}$ oe	Any equivalent must be a mixed number

Paper: 1MA1/1H				
Question	Answer	Mark	Mark scheme	Additional guidance
3	$2\frac{1}{3}$	M1	for either $\frac{7}{4}$ oe or $\frac{4}{3}$ oe	
Q7		M1	for method to find the product, eg. $\frac{7 \times 4}{4 \times 3}$ or $\frac{21 \times 16}{12 \times 12}$ oe or for $\frac{28}{12}$ or $\frac{7}{3}$ oe	
		A1	for $2\frac{1}{3}$ or an equivalent mixed number	

Paper: 1MA1/1H				
Question	Answer	Mark	Mark scheme	Additional guidance
2 (a) Q8 (b)	$3\frac{17}{20}$	M1	for finding two fractions with a correct common denominator (multiple of 20), with at least one correct corresponding numerator, eg $\frac{12}{20}, \frac{5}{20}$ or $\frac{32}{20}, \frac{45}{20}$	May be from $\frac{3}{5}$ and $\frac{1}{4}$ or from $\frac{8}{5}$ and $\frac{9}{4}$
		A1	for $3\frac{17}{20}$ or an equivalent mixed number SC B1 for an answer of 3.85 if M0 scored	
	shown	M1	for $\frac{8}{3} \times \frac{1}{6}$ oe or $\frac{4}{9} \times \frac{6}{1}$ oe or $\frac{8}{3} \times \frac{9}{4}$ oe	
		A1	for unsimplified fraction which could lead to $\frac{4}{9}$, eg $\frac{8}{18}$ or for $\frac{4}{3} \times \frac{1}{3}$ or $\frac{24}{9} \div 6$ or for unsimplified fraction which could lead to $2\frac{2}{3}$, eg $\frac{24}{9}$ or for unsimplified fraction which could lead to 6, eg $\frac{72}{12}$	

Paper: 1MA1/1H				
Question	Answer	Mark	Mark scheme	Additional guidance
4	0.00128	M1	for digits 128 or for correct placement of the decimal point following one arithmetical error, eg $32 \times 4 = 138$ with an answer of 0.00138	
Q9		A1	for 0.00128 or 1.28×10^{-3}	

Paper: 1MA1/3H				
Question	Answer	Mark	Mark scheme	Additional guidance
2	Description	C1	<p>Identifies a mistake in the working</p> <p>Acceptable examples Rob should divide by 8 He should have added the 3 and 5 first He divided 120 by 3 and 5 instead of 8 He did not do it as $120 \times \frac{3}{8}$ and $120 \times \frac{5}{8}$ He did not add the two ratios first</p> <p>Not acceptable examples He has done it in two parts but he should do it in one The answer should be 45 : 75 They do not add up to 120 He is supposed to add his numbers $40 + 24$ does not equal 120</p>	
Q10				