

GCSE

Methods in Mathematics

(Linked Pair Pilot)

93651F

Unit 1: Foundation Tier

Mark Scheme

9365

November 2014

Version 1.0: Final

Mark schemes are prepared by the Lead Assessment Writer and considered, together with the relevant questions, by a panel of subject teachers. This mark scheme includes any amendments made at the standardisation events which all associates participate in and is the scheme which was used by them in this examination. The standardisation process ensures that the mark scheme covers the students' responses to questions and that every associate understands and applies it in the same correct way. As preparation for standardisation each associate analyses a number of students' scripts: alternative answers not already covered by the mark scheme are discussed and legislated for. If, after the standardisation process, associates encounter unusual answers which have not been raised they are required to refer these to the Lead Assessment Writer.

It must be stressed that a mark scheme is a working document, in many cases further developed and expanded on the basis of students' reactions to a particular paper. Assumptions about future mark schemes on the basis of one year's document should be avoided; whilst the guiding principles of assessment remain constant, details will change, depending on the content of a particular examination paper.

Further copies of this Mark Scheme are available from aqa.org.uk

Glossary for Mark Schemes

GCSE examinations are marked in such a way as to award positive achievement wherever possible. Thus, for GCSE Mathematics papers, marks are awarded under various categories.

M	Method marks are awarded for a correct method which could lead to a correct answer.
M dep	A method mark dependent on a previous method mark being awarded.
A	Accuracy marks are awarded when following on from a correct method. It is not necessary to always see the method. This can be implied.
B	Marks awarded independent of method.
B dep	A mark that can only be awarded if a previous independent mark has been awarded.
Q	Marks awarded for quality of written communication.
ft	Follow through marks. Marks awarded for correct working following a mistake in an earlier step.
SC	Special case. Marks awarded for a common misinterpretation which has some mathematical worth.
oe	Or equivalent. Accept answers that are equivalent. eg accept 0.5 as well as $\frac{1}{2}$
[a, b]	Accept values between a and b inclusive.
25.3 ...	Allow answers which begin 25.3 e.g. 25.3, 25.31, 25.378.
Use of brackets	It is not necessary to see the bracketed work to award the marks.

Examiners should consistently apply the following principles

Diagrams

Diagrams that have working on them should be treated like normal responses. If a diagram has been written on but the correct response is within the answer space, the work within the answer space should be marked. Working on diagrams that contradicts work within the answer space is not to be considered as choice but as working, and is not, therefore, penalised.

Responses which appear to come from incorrect methods

Whenever there is doubt as to whether a candidate has used an incorrect method to obtain an answer, as a general principle, the benefit of doubt must be given to the candidate. In cases where there is no doubt that the answer has come from incorrect working then the candidate should be penalised.

Questions which ask candidates to show working

Instructions on marking will be given but usually marks are not awarded to candidates who show no working.

Questions which do not ask candidates to show working

As a general principle, a correct response is awarded full marks.

Misread or miscopy

Candidates often copy values from a question incorrectly. If the examiner thinks that the candidate has made a genuine misread, then only the accuracy marks (A or B marks), up to a maximum of 2 marks are penalised. The method marks can still be awarded.

Further work

Once the correct answer has been seen, further working may be ignored unless it goes on to contradict the correct answer.

Choice

When a choice of answers and/or methods is given, mark each attempt. If both methods are valid then M marks can be awarded but any incorrect answer or method would result in marks being lost.

Work not replaced

Erased or crossed out work that is still legible should be marked.

Work replaced

Erased or crossed out work that has been replaced is not awarded marks.

Premature approximation

Rounding off too early can lead to inaccuracy in the final answer. This should be penalised by 1 mark unless instructed otherwise.

Q	Answer	Mark	Comments
1(a)	Identifies coordinates of A and B or Accurately marks the midpoint of AB	M1	(1, 1) and (7, 3)
	4, 2	A1	SC1 4, y or x , 2, where x and y can be any numbers SC1 2, 4
1(b)	Point plotted with coordinates of the form $(a, a + 1)$ or Line $y = x + 1$ drawn	B1	SC1 If answer to 1(a) is 2, 4 then point plotted with coordinates of the form $(a, a - 1)$ or the line $y = x - 1$ drawn
	Additional Guidance		Mark
	Condone no labelling of the point. If a line is drawn then the diagonal of a 1cm square is sufficient $4x, 2y$ implies correct midpoint for M1 A0		M1 A0
2(a)	The counter has a letter on it → Certain	B1	
	The counter has R on it → Likely	B1	
	Additional Guidance		Mark
	Do not award the mark if the event is linked to more than one probability		

Q	Answer	Mark	Comments
2(b)	3 with M, 1 with any letter except L or M, 2 without letters or 3 with M, 2 with any letters except L or M, 1 without a letter	B2	Counters without letters may be blank or contain numbers or symbols B1 2 of the 3 criteria met: <ul style="list-style-type: none"> • 4 or 5 counters with letters • exactly 3 counters with M • no counters with letter L
Additional Guidance			Mark
The order of the letters is irrelevant. Examples: M M M D D triangle M M M A B C M M M L blank blank W X Y Z 3 4 M M M L A 5 H I J K L blank M M M L L L M M M M M A A A A A A blank Treat O as a letter or zero, whichever would give the higher mark Treat I as a letter or one, whichever would give the higher mark Z may clearly be the letter Z, but if there is doubt treat it as Z or 2, whichever would give the higher mark			B2 B1 B1 B1 B1 B0 B0 B0 B0

Q	Answer	Mark	Comments
3	14	B2	B1 2, 6, 10, 18, 22 or 26 or 4, 9, 19, 24 or 29 or number greater than 30 which fulfils the other two conditions, eg 34, 54, 74 etc
	Additional Guidance		Mark
	18 ÷ 2 = 9 9 + 6 = 15 18 or 15 given on answer line implies B1 for 18		B1
4(a)	Expression	Q1	Strand (i) correct terminology
4(b)	26	B1	

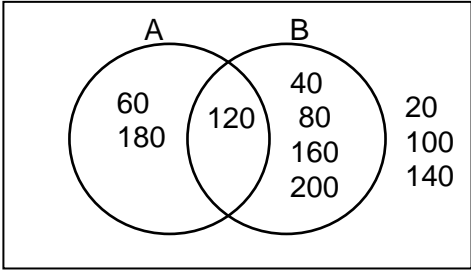
Q	Answer	Mark	Comments																												
5	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">11</td> <td style="text-align: center;">17</td> <td style="text-align: center;">18</td> <td style="text-align: center;">9</td> </tr> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> <td style="text-align: center;">3</td> </tr> <tr> <td style="text-align: center;">2</td> <td></td> <td></td> <td style="text-align: center;">4</td> </tr> <tr> <td style="text-align: center;">15</td> <td style="text-align: center;">20</td> <td style="text-align: center;">12</td> <td style="text-align: center;">8</td> </tr> <tr> <td style="text-align: center;">7</td> <td></td> <td></td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: center;">13</td> <td></td> <td></td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">19</td> <td style="text-align: center;">14</td> <td style="text-align: center;">16</td> </tr> </table>	11	17	18	9	1			3	2			4	15	20	12	8	7			5	13			10	6	19	14	16	B4	<p>The pairs of numbers (eg 17 & 18) can be in either order</p> <p>B3 Three or four rows/columns add up to 55 using available numbers with no repeats in those rows/columns</p> <p>B2 Two rows/columns add up to 55 using available numbers with no repeats in those rows/columns or All rows and columns add up to 55, but repeated and/or unavailable numbers are used</p> <p>B1 One row/column adds up to 55 using available numbers with no repeats in that row/column or Three or four rows/columns add up to 55, but repeated and/or unavailable numbers are used</p>
11	17	18	9																												
1			3																												
2			4																												
15	20	12	8																												
7			5																												
13			10																												
6	19	14	16																												
Additional Guidance			Mark																												
<p>Unavailable numbers are those already given in the grid or outside the range 1-20</p> <p>Mark correct rows/columns first, as B3 may be scored even when repeated or unavailable rows/columns have been used.</p> <p>The answer grid may contain blanks. Treat a blank square as zero (which is an unavailable number)</p> <p>Mark practice grid if answer grid is blank.</p>																															

Q	Answer	Mark	Comments
6	$4x - 1$	B2	B1 $4x$ or -1
	Additional Guidance		Mark
	$-1 + 4x$ $4x, 1$ $4x + -1$ Accept $4 \times x$ or $x \times 4$ for $4x$ Do not ignore further working: $4x - 1 = 3x$ $4x - 1 = 0 \quad (x = 0.25)$	B2 B1 B1 B1 B1	
7(a)	0.625	B1	Condone .625 Accept 0.6250, 0.62500, etc
7(b)	625	B1	

Q	Answer	Mark	Comments	
8(a)	-5	B1		
8(b)	Correctly plots at least two points from their table	M1	1 mm tolerance Condone 1 or 2 incorrect points also plotted	
	Correct ruled straight line from (-2, -5) to (2, 3)	A1		
	Additional Guidance			Mark
	There is no ft for the accuracy mark from an incorrect value in (a) The correct line will score 2 marks The line <u>must</u> be ruled The line must be within 1 mm of the correct points, otherwise A0 Ignore extra points plotted if the line is correct If there is an incorrect line or no line at all then ignore up to 2 extra incorrect points (but remember that an incorrect value in (a) does not constitute an incorrect point)			

Q	Answer	Mark	Comments																									
9(a)	<table border="1" style="margin-left: 20px;"> <thead> <tr> <th></th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> </tr> </thead> <tbody> <tr> <th>1</th> <td>0</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <th>2</th> <td>2</td> <td>0</td> <td>3</td> <td>4</td> </tr> <tr> <th>3</th> <td>3</td> <td>3</td> <td>0</td> <td>4</td> </tr> <tr> <th>4</th> <td>4</td> <td>4</td> <td>4</td> <td>0</td> </tr> </tbody> </table>		1	2	3	4	1	0	2	3	4	2	2	0	3	4	3	3	3	0	4	4	4	4	4	0	B2	B1 all 0s correct or all non-zeros correct
	1	2	3	4																								
1	0	2	3	4																								
2	2	0	3	4																								
3	3	3	0	4																								
4	4	4	4	0																								
Additional Guidance			Mark																									
Do not accept a blank space as 0																												
9(b)	$\frac{6}{16}$ or $\frac{3}{8}$ or 0.375 or 37.5%	B1ft	oe fraction, decimal or percentage ft from a completed table																									
Additional Guidance			Mark																									
Ignore an incorrect simplification of $\frac{6}{16}$ or an incorrect conversion to a decimal or percentage Ignore descriptive words such as 'likely', 'unlikely', etc																												
9(c)	0, 9, 9, 16 or 1, 9, 9, 16 or 4, 9, 9, 16 or 9, 0, 0, 16 or 9, 1, 1, 16 or 9, 4, 4, 16	B2	B1 $x, 9, 9, 16$ where $x < 9$ and $x \neq 0, 1, 4$ or $9, x, x, 16$ where $x < 9$ and $x \neq 0, 1, 4$																									
Additional Guidance			Mark																									
Accept answers written on the spinner or in the table. If they are different, mark the numbers on the spinner 1, 4, 9, 16 scores B0																												

Q	Answer	Mark	Comments
10	<p>a and b different primes and $\sqrt{a+b}$ prime</p> <p>eg $a = 2 \quad b = 7$ $a = 2 \quad b = 23$ $a = 2 \quad b = 47$ etc</p>	B2	<p>Values of a and b can be reversed eg $a = 7 \quad b = 2$</p> <p>B1</p> <p>2, 2</p> <p>or</p> <p>a or b prime and $\sqrt{a+b}$ an integer eg $a = 3 \quad b = 13, \quad a = 7 \quad b = 9$ etc</p> <p>or</p> <p>a and b prime and $a+b$ prime eg $a = 2 \quad b = 5,$</p> <p>or</p> <p>at least four prime numbers identified with no incorrect numbers</p> <p>or</p> <p>at least five prime numbers identified with one incorrect number</p>
Additional Guidance			Mark
<p>Examples of answers worth B1</p> <p>2, 79 3, 6 5, 20 7, 29 a or b prime and $\sqrt{a+b}$ an integer</p> <p>2, 11 2, 29 a and b prime and $a+b$ prime</p> <p>If answer line scores 0, check working for a trial that would score B2 or B1 with at most one trial incorrectly evaluated</p>			<p>B1</p> <p>B1</p> <p>B1</p>

Q	Answer	Mark	Comments
11(a)		B2	B1 for at least one correct region
11(b)	Gives both probabilities as $\frac{7}{10}$ oe or States that there are 7 numbers for each	B1	SC1 If their Venn diagram is incorrect they may show that the two probabilities are equal or are not equal and still qualify for this mark
Additional Guidance			Mark
If their Venn diagram is incorrect they can achieve this mark either from a restart or from using their diagram Withhold the mark if their $\frac{7}{10}$ or 7 comes from incorrect working			B0

Q	Answer	Mark	Comments
12	Alternative method 1		
	$7x + 14$	M1	
	Their $7x - 3x = 4$ – their 14 or $4x = -10$	M1	oe ft their expansion Rearranges their equation to get x terms on one side and number terms on the other
	-2.5	A1ft	ft on one error in expansion or rearrangement
	Alternative method 2		
	$x + 2 = \frac{3x}{7} + \frac{4}{7}$	M1	
	x – their $\frac{3x}{7} =$ their $\frac{4}{7} - 2$ or $\frac{4x}{7} = \frac{-10}{7}$	M1	oe ft their division Rearranges their equation to get x terms on one side and number terms on the other
	-2.5	A1ft	ft on one error in expansion or rearrangement

Q	Answer	Mark	Comments
12 (cont.)	Additional Guidance		Mark
	Trial and improvement is 0 or 3 marks		
	Examples		
	$7x + 14 = 3x + 4$		M1
	$7x - 3x = 4 - 14$		M1
	$x = 2.5$		A0
	BUT		
	$7x + 14 = 3x + 4$		M1
	$x = 2.5$	(no working seen)	M0, A0
	$7x + 16 = 3x + 4$		M0
$7x - 3x = 4 - 16$		M1	
$x = -3$	(only 1 error)	A1ft	
$7x + 14 = 3x + 4$		M1	
$7x - 3x = 4 + 14$		M0	
$x = 4.5$	(only 1 error)	A1ft	
$7x + 14 = 3x + 4$		M1	
$7x + 3x = 4 - 14$		M0	
$x = -1$	(only 1 error)	A1ft	
$7x + 2 = 3x + 4$		M0	
$7x - 3x = 4 - 2$		M1	
$x = \frac{1}{2}$	oe (only 1 error)	A1ft	
$7x + 14 = 3x + 4$		M1	
$7x + 3x = 4 + 14$		M0	
$x = 1.8$	(2 errors)	A0ft	

Q	Answer	Mark	Comments
13	$500 \div (3 + 7)$ or 50	M1	
	3 x their 50 and 7 x their 50 or 150 and 350 or their 50×4	M1dep	
	200	A1	
	Additional Guidance		Mark
	150 : 350 150 or 350 implies M1 unless from an incorrect method.		M1M1A0 M1
14	$3x - x < 10$ or $2x < 10$ or $x < \frac{10}{2}$	M1	oe
	$x < 5$	A1	SC1 5 or $x = 5$ or $x \leq 5$ or $x > 5$ or $x \geq 5$
	Additional Guidance		Mark
	< 5 or > 5 or ≤ 5 or ≥ 5 x must be less than 5 (ie words used rather than '<')		M1 A0 M1 A1
15(a)	25	B1	
15(b)	3	B1	Accept 3 more squares shaded on diagram
	Additional Guidance		Mark
	If answer line is blank check diagram for 3 more squares shaded		

Q	Answer	Mark	Comments																								
16(a)	16	B1																									
	14	B1																									
	90	B1																									
16(b)	Attempt at 264×10 and 264×7 or attempt at 17×200 and 17×60 and 17×4	M1	For example: $\begin{array}{r} 264 \\ \underline{17} \\ 2640 \\ 1848 \end{array}$ $\begin{array}{r} 17 \\ \underline{264} \\ 3400 \\ 1020 \\ \underline{68} \end{array}$ The order of the rows is interchangeable <table border="1" data-bbox="991 927 1422 1128"> <tr> <td></td> <td>200</td> <td>60</td> <td>4</td> </tr> <tr> <td>10</td> <td>2000</td> <td>600</td> <td>40</td> </tr> <tr> <td>7</td> <td>1400</td> <td>420</td> <td>28</td> </tr> </table> There may be errors in the components but the number of digits in each row of the traditional method or each box of the grid method must be correct and the emboldened zeros must be correct <table border="1" data-bbox="967 1352 1426 1621"> <tr> <td>2</td> <td>6</td> <td>4</td> <td></td> </tr> <tr> <td>0 / 2</td> <td>0 / 6</td> <td>0 / 4</td> <td>1</td> </tr> <tr> <td>1 / 4</td> <td>4 / 2</td> <td>2 / 8</td> <td>7</td> </tr> </table> 2, 6, 4, 14, 42, 28 correctly entered into the grid. Allow one calculation error		200	60	4	10	2000	600	40	7	1400	420	28	2	6	4		0 / 2	0 / 6	0 / 4	1	1 / 4	4 / 2	2 / 8	7
		200	60	4																							
	10	2000	600	40																							
7	1400	420	28																								
2	6	4																									
0 / 2	0 / 6	0 / 4	1																								
1 / 4	4 / 2	2 / 8	7																								
Adds all the components	M1	Traditional method: At least one of the rows must be correct Grid method: At least four of the six values must be correct Napier's Bones method: At least four of the six entries must be correct and all six numbers added in the correct manner																									
	4488	A1																									

16(b) (cont.)	Additional Guidance	Mark																								
	<p>The 2 method marks are independent</p> <p>The first mark is about the size of the components and place value. The components must have the required number of digits and zeros when the traditional or grid methods are used</p> <p>In the traditional method or Napier's bones allow a blank or dash for a 0</p> <p>The second method mark is independent of the first, but to gain it:</p> <ul style="list-style-type: none"> the addition must consist of all the relevant parts to complete the calculation 264×17 there must be the required accuracy in the components as described in the mark scheme <p>Example 1</p> $\begin{array}{r} 264 \\ \underline{17 \times} \\ 1852 \\ \underline{264} \\ 4492 \end{array}$ <p>(blank counts as a zero)</p> <table border="1" data-bbox="244 1088 671 1290"> <tbody> <tr> <td></td> <td>200</td> <td>60</td> <td>4</td> </tr> <tr> <td>10</td> <td>2000</td> <td>600</td> <td>40</td> </tr> <tr> <td>7</td> <td>140</td> <td>440</td> <td>28</td> </tr> </tbody> </table> <p>Example 2</p> $2000 + 6000 + 40 + 140 + 440 + 28 = \dots$ <p>(140 incorrect for 1st M mark, but 4 of the values are correct so can score the 2nd M mark)</p> <p>Example 3</p> <table border="1" data-bbox="248 1559 644 1760"> <tbody> <tr> <td></td> <td>200</td> <td>60</td> <td>4</td> </tr> <tr> <td>10</td> <td>2000</td> <td>600</td> <td>40</td> </tr> <tr> <td>7</td> <td>1400</td> <td>420</td> <td>24</td> </tr> </tbody> </table> <p>Answer: 7184 M1 (only 1 incorrect value) M0 (no working) A0</p>		200	60	4	10	2000	600	40	7	140	440	28		200	60	4	10	2000	600	40	7	1400	420	24	<p>M1 M1 A0</p> <p>M0 M1 A0</p> <p>M1 M0 A0</p>
	200	60	4																							
10	2000	600	40																							
7	140	440	28																							
	200	60	4																							
10	2000	600	40																							
7	1400	420	24																							

Q	Answer	Mark	Comments
18(b) cont.	Additional Guidance		Mark
	Ignore descriptive words such as 'likely, 'unlikely' etc Ignore any incorrect cancelling or conversion to a decimal or percentage Accept 0.66 or better or 0.67 or 66% or 67% for $\frac{6}{9}$		B1
19(a)	35	B1	
19(b)	3.5 or $3\frac{1}{2}$	B1ft	ft their $35 \div 10$
	Additional Guidance		Mark
	$\frac{35}{10}$		B0
19(c)	73.5 or $73\frac{1}{2}$	B1ft	ft $2 \times$ their 35 + their 3.5
20(a)	Arrow to 0.4	B1	± 2 mm on scale
	Additional Guidance		Mark
	Arrow does not have to reach line if intention is clear Arrow does not have to start at box		
20(b)	Arrow to 0.8	B1	± 2 mm on scale
	Additional Guidance		Mark
	Arrow does not have to reach line if intention is clear Arrow does not have to start at box		

Q	Answer	Mark	Comments
21(a)	At least three points plotted, each with coordinates $(2, y)$	B1	
	Additional Guidance		Mark
	Award the mark if the correct line is clearly drawn but individual points have not been identified The line should be at least 2 squares long		
21(b)	At least three points plotted, each with coordinates $(x, -1)$	B1	SC1 correct points for $y = 2$ in (a) and $x = -1$ in (b)
	Additional Guidance		Mark
	Award the mark if the correct line is clearly drawn but individual points have not been identified The line should be at least 2 squares long		
22	0.79	B2	B1 full calculation with 1 error
	Additional Guidance		Mark
	A misread of sign or number counts as one error		

Q	Answer	Mark	Comments
23(a)	$n + n + 2$ or $2n + 2$ or $2(n + 1)$	B1	oe
	$S =$ or $= S$	Q1	Strand (i) Correct notation for a formula
	Additional Guidance		Mark
	Do not ignore further working, e.g. $n + n + 2 = n^2 + 2$		B0
23(b)	$n + n + 2 = 2n + 2 = 2(n + 1)$ or $2n + 2 = 2(n + 1) = n + n + 2$ or $(2n + 2) \div 2 = n + 1$	B1	
	Additional Guidance		Mark
	Accept $2(n + 1) = 2n + 2$ if $2n + 2$ is given in part (a) Condone missing brackets if the intention is clear		
24(a)	-11	B1	
24(b)	-24	B1	
24(c)	7	B1	

Q	Answer	Mark	Comments
25	Alternative method 1		
	$\frac{15}{40}$	M1	
	3 with $\frac{15}{40}$ or 15 seen	A1	Condone embedded answer of $\frac{3}{8}$ SC1 3 without correct working
	Alternative method 2		
	$33 - 18 = \frac{40x}{8}$	M1	
3 with $33 - 18 = \frac{40x}{8}$ seen	A1	Condone embedded answer of $\frac{3}{8}$ SC1 3 without correct working	
26(a)	$n + 4$	B1	
26(b)	$3(2x + 1)$	B1	
26(c)	$R = \frac{E}{V}$	B1	

Q	Answer	Mark	Comments
27	Alternative method 1		
	$\frac{3}{6} + \frac{1}{6}$ or $\frac{4}{6}$ or $\frac{2}{3}$	M1	Common denominator with at least one numerator correct
	1 – their $\frac{2}{3}$ or $\frac{1}{3}$	M1dep	
	40 ÷ their $\frac{1}{3}$ or 40 × 3 or 120 or 40 ÷ 2	M1dep	oe
	20	A1	
	Alternative method 2		
	$1 - \frac{1}{6}$ or $\frac{5}{6}$	M1	
	Their $\frac{5}{6} - \frac{3}{6}$ or $\frac{2}{6}$ or $\frac{1}{3}$	M1dep	Common denominator with at least one numerator correct
	40 ÷ their $\frac{1}{3}$ or 40 × 3 or 120 or 40 ÷ 2	M1dep	oe
	20	A1	
	Alternative method 3		
	$\frac{1}{2} - \frac{1}{6}$	M1	
	$\frac{3}{6} - \frac{1}{6}$ or $\frac{2}{6}$ or $\frac{1}{3}$	M1dep	Common denominator with at least one numerator correct
	40 ÷ their $\frac{1}{3}$ or 40 × 3 or 120 or 40 ÷ 2	M1dep	oe
	20	A1	

Q	Answer	Mark	Comments
27 (cont.)	Additional guidance		Mark
	Be careful of the value $\frac{1}{3}$ This may or may not score 2 marks Example $\frac{3}{6} + \frac{1}{6} = \frac{4}{6} = \frac{2}{3}$		M1 only

Q	Answer	Mark	Comments
28	0.16 or 3.6 or 0.9 or $\frac{16}{100}$ or $\frac{72}{20}$ or $\frac{18}{20}$	B1	oe
	0.72 or $\frac{144}{200}$ or their 0.16×4.5 correctly evaluated or their 3.6×0.2 correctly evaluated or their 0.9×0.8 correctly evaluated or their $\frac{16}{100} \times \frac{9}{2}$ correctly evaluated or their $\frac{72}{20} \times \frac{2}{10}$ correctly evaluated or their $\frac{18}{20} \times \frac{8}{10}$ correctly evaluated	B1	oe
	No and 0.72 or $\frac{72}{100}$ with no incorrect evaluation of $\frac{3}{4}$	Q1ft	Strand iii Correct method for the calculations and correct decision for their product Allow arithmetical errors