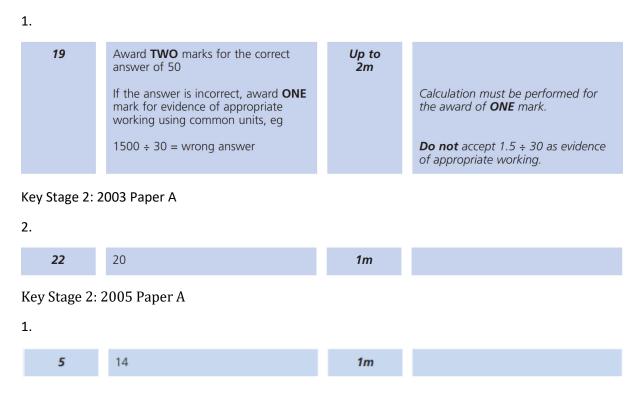
# Written Division- Answers

#### Key Stage 2: 2003 Paper A



# Key Stage 2: 2007 Paper A

20	Award <b>TWO</b> marks for the correct answer of 24	Up to 2m	
	If the answer is incorrect, award <b>ONE</b> mark for evidence of appropriate working which contains no more than		In all cases accept follow through of <b>ONE</b> error in working.
	ONE arithmetical error, eg     repeated addition / subtraction		Working must be carried through to reach an answer for the award of <b>ONE</b> mark.
	methods, eg 504		<b>Do not</b> award any marks if the final answer is missing.
	$\begin{array}{c} -210 & 10 \times 21 \\ \hline 294 \\ -210 & 10 \times 21 \end{array}$		Variations on algorithms are acceptable, provided they represent a viable and complete method.
	84 -84 4 × 21 0 wrong answer		<b>No mark</b> is awarded for repeated addition / subtraction the wrong number of times.
	<ul> <li>factor / multiple methods, eg</li> </ul>		
	504 ÷ 3 = 168		
	168 ÷ 7 = wrong answer		
	<ul> <li>long division algorithm</li> </ul>		
	wrong answer 21)504 420 84 -84 0		
	<ul> <li>short division algorithm wrong answer 21)50<sup>8</sup>4</li> </ul>		Short division methods must be supported by evidence of appropriate carrying figures to indicate use of a division algorithm.

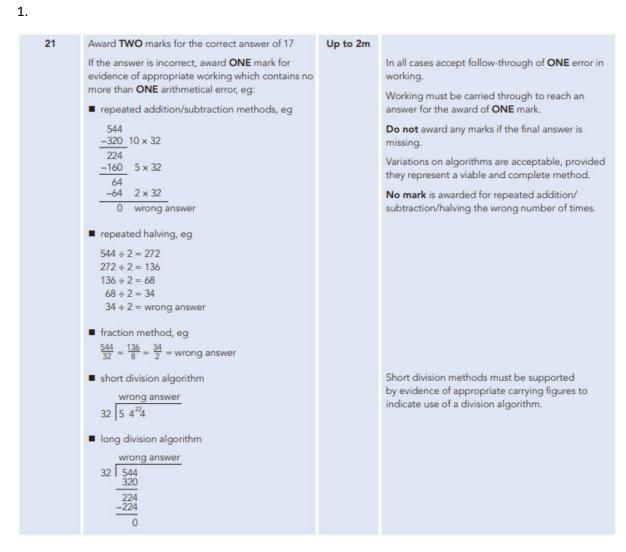
#### Key Stage 2: 2006 Paper A

22 Award TWO marks for the correct Up to answer of 53 2m If the answer is incorrect, award ONE In all cases accept follow through of mark for evidence of appropriate ONE error in working. working which contains no more than Calculation must be performed for the ONE arithmetical error, eq: award of ONE mark. long division algorithm Do not award any marks if the final wrong answer answer is missing. 16 848 Variations on algorithms are acceptable, 800 provided they represent a viable and 48 complete method. -48 0 short division algorithm Short division methods must be supported by evidence of appropriate wrong answer carrying figures to indicate use of a 16)8448 division algorithm. No mark is awarded for repeated repeated addition / subtraction addition / subtraction the wrong methods, eg number of times. 848 -400 25 x 16 448 -400  $25 \times 16$ 48  $3 \times 16$ -48 0 wrong answer No mark is awarded for repeated repeated halving, eg halving the wrong number of times.  $848 \div 2 = 424$  $424 \div 2 = 212$  $212 \div 2 = 106$ 106 ÷ 2 = wrong answer

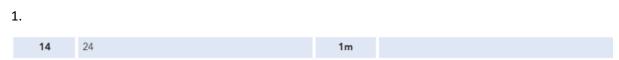
## Key Stage 2: 2008 Paper A

1.			
	13	52	1m
Ke <u>y</u> 1.	y Stage 2	2: 2009 Paper A	
	7	16	1m

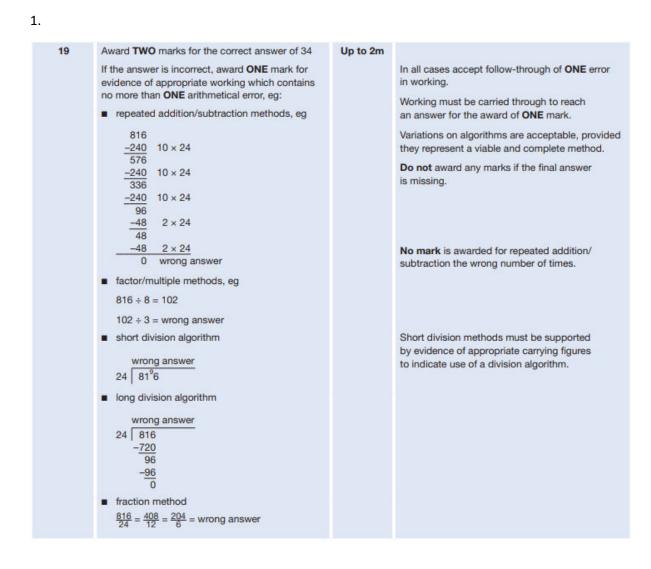
#### Key Stage 2: 2011 Paper A



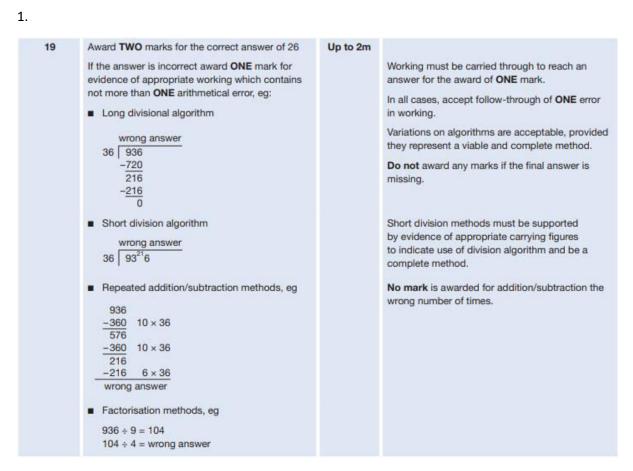
Key Stage 2: 2012 Paper A



#### Key Stage 2: 2013 Paper A



#### Key Stage 2: 2015 Paper B



#### Key Stage 2: 2016 Paper 1 Arithmetic - Sample

1.

<b>6</b> 8	1m	
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#### Key Stage 2: 2016 Paper 1 Arithmetic - Sample

2.

11	70	1m	

#### Key Stage 2: 2016 Paper 1 Arithmetic - Sample

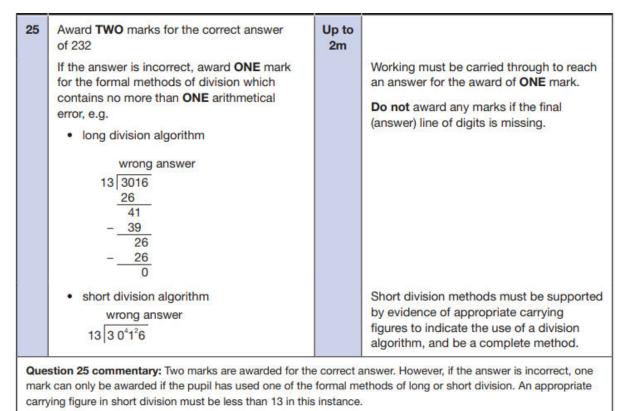
3.

16	120	1m		
Question 16 commentary: Pupils are expected to use their knowledge of table facts to answer this question.				

#### Key Stage 2: 2016 Paper 1 Arithmetic - Sample

<b>21</b> 1501 <b>1m</b>	
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#### 5.



Key Stage 2: 2016 Paper 1 Arithmetic - Sample

34	Award <b>TWO</b> marks for the correct answer of 63	Up to 2m	
	If the answer is incorrect, award <b>ONE</b> mark for the formal methods of division which contain no more than <b>ONE</b> arithmetical error, e.g. • long division algorithm wrong answer $37 \boxed{2331}$ $- \underbrace{222}_{111}$ $- \underbrace{111}_{0}$ • short division algorithm		Working must be carried through to reach an answer for the award of <b>ONE</b> mark. <b>Do not</b> award any marks if the final (answer) line of digits is missing. Short division methods must be supported
	wrong answer 37 2 3 3 <sup>11</sup> 1		by evidence of appropriate carrying figures to indicate the use of a division algorithm, and be a complete method.

## Key Stage 2: 2016 Paper 1 Arithmetic

1.

3	326	1m	

## Key Stage 2: 2016 Paper 1 Arithmetic

2.

6	19	1m	

## Key Stage 2: 2016 Paper 1 Arithmetic

3.

9	24	1m	

## Key Stage 2: 2016 Paper 1 Arithmetic

4.

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## Key Stage 2: 2016 Paper 1 Arithmetic

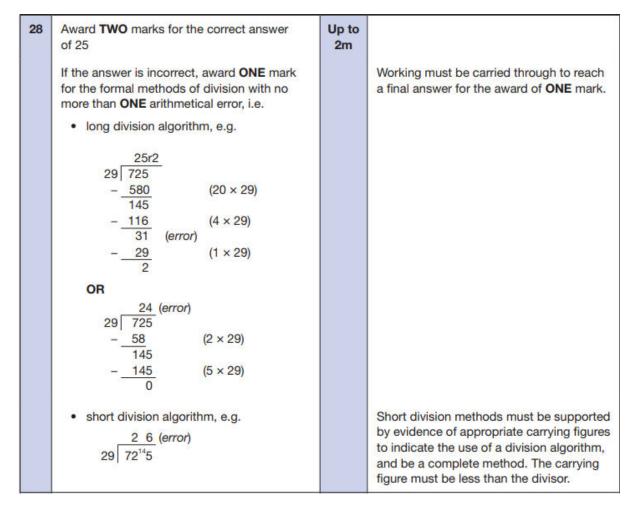
5.

20 0.09 1m			
	20	1m	

## Key Stage 2: 2016 Paper 1 Arithmetic

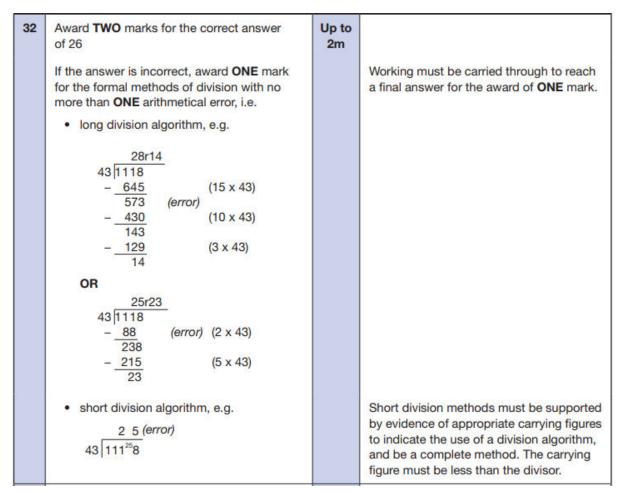
22	110	1m	
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#### Key Stage 2: 2016 Paper 1 Arithmetic



#### Key Stage 2: 2016 Paper 1 Arithmetic

8.



#### Key Stage 2: 2017 Paper 1 Arithmetic

1.

	4	505	1m	
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#### Key Stage 2: 2017 Paper 1 Arithmetic

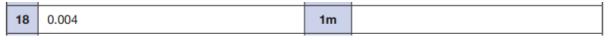
2.

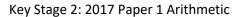
#### Key Stage 2: 2017 Paper 1 Arithmetic

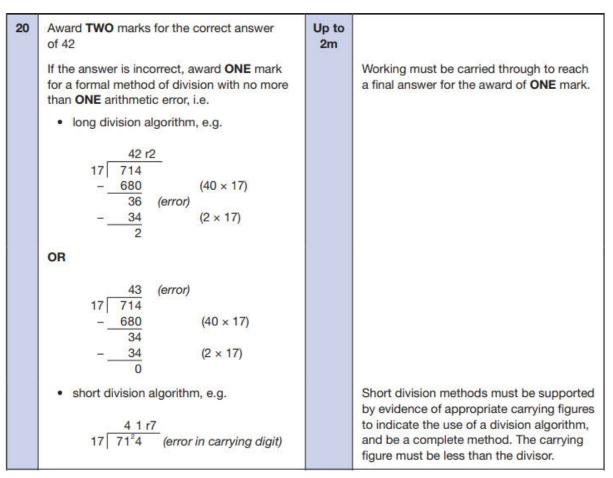
17	83	1m	

#### Key Stage 2: 2017 Paper 1 Arithmetic

4.

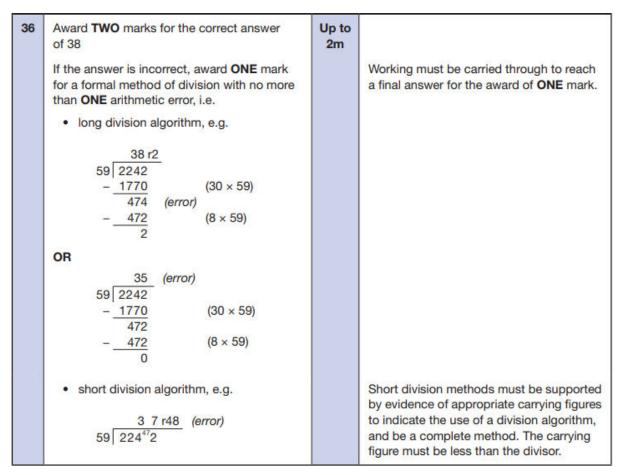






#### Key Stage 2: 2017 Paper 1 Arithmetic

6.



#### Key Stage 2: 2017 Paper 3 Reasoning

1.

1 10	1m	
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#### Key Stage 2: 2018 Paper 1 Arithmetic

1.

4	838	1m	
	000		

#### Key Stage 2: 2018 Paper 1 Arithmetic

2.

	· · · · · · · · · · · · · · · · · · ·		
5	9	1m	

#### Key Stage 2: 2018 Paper 1 Arithmetic

11 90	1m	
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## Key Stage 2: 2018 Paper 1 Arithmetic

4.

12	600	1m	

## Key Stage 2: 2018 Paper 1 Arithmetic

5.

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## Key Stage 2: 2018 Paper 1 Arithmetic

6.

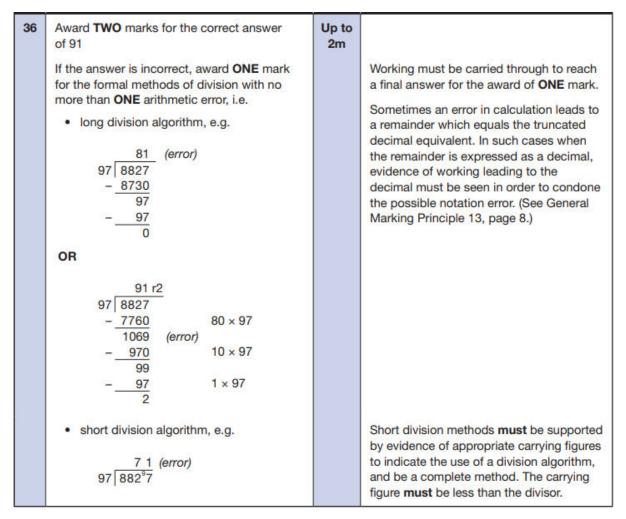
<b>18</b> 0.001 <b>1m</b> Accept equivalent fractions, e.g. $\frac{1}{1000}$	18	0.001	1m	Accept equivalent fractions, e.g. $\frac{1}{1000}$
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## Key Stage 2: 2018 Paper 1 Arithmetic

22	Award <b>TWO</b> marks for the correct answer of 15	Up to 2m	
	If the answer is incorrect, award <b>ONE</b> mark for a formal method of division with no more than <b>ONE</b> arithmetic error, i.e.		Working must be carried through to reach a final answer for the award of <b>ONE</b> mark.
	<ul> <li>long division algorithm, e.g.</li> </ul>		
	14 (error) 43 645 - 430		
	215 - <u>215</u> 0		
1	OR		
	15 r28 43 645		
	$- 430 = 10 \times 43$ 215 $- 129 = 3 \times 43$		
	$- 129 - 3 \times 43$ - 114 (error) $- 86 - 2 \times 43$		
	- <u></u>		
	short division algorithm, e.g.		Short division methods <b>must</b> be supported by evidence of appropriate carrying figures
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		to indicate the use of a division algorithm, and be a complete method. The carrying figure <b>must</b> be less than the divisor.

#### Key Stage 2: 2018 Paper 1 Arithmetic





Key Stage 2: 2019 Paper 1 Arithmetic

1.

7 60 1m
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#### Key Stage 2: 2019 Paper 1 Arithmetic

2.

8	10	1m	

#### Key Stage 2: 2019 Paper 1 Arithmetic

10	13	1m	

## Key Stage 2: 2019 Paper 1 Arithmetic

4.

<b>13</b> 110	1m	
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## Key Stage 2: 2019 Paper 1 Arithmetic

5.

20	0.009	1m	
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## Key Stage 2: 2019 Paper 1 Arithmetic

25	Award <b>TWO</b> marks for the correct answer of 24	Up to 2m	
	If the answer is incorrect, award <b>ONE</b> mark for the formal methods of division with no more than <b>ONE</b> arithmetic error, i.e.		Working must be carried through to reach a final answer for the award of <b>ONE</b> mark.
	<ul> <li>long division algorithm, e.g.</li> </ul>		
	23 r29 37 888 - 740		
	140 <i>(error)</i> - <u>111</u> 29		
	OR		
	$\begin{array}{r} 42 \ (error) \\ 37 \ 888 \\ - \ 740 \\ 142 \end{array} \qquad 20 \times 37 \end{array}$		
	$- \frac{148}{-148}$ 4 × 37		
	<ul> <li>short division algorithm, e.g.</li> <li>2 3 r27 (error)</li> <li>37 88<sup>14</sup>8</li> </ul>		Short division methods <b>must</b> be supported by evidence of appropriate carrying figures to indicate the use of a division algorithm, and be a complete method. The carrying figure <b>must</b> be less than the divisor.

#### Key Stage 2: 2019 Paper 1 Arithmetic

