Finding Missing Numbers - Answers

Key Stage 2: 2003 Paper A

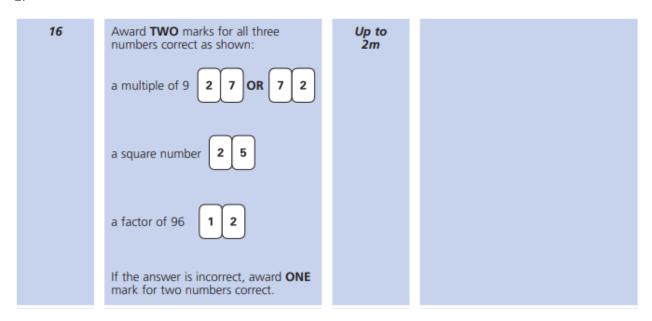
1.

 1a
 65
 1m

 1b
 2400
 1m

Key Stage 2: 2003 Paper A

2.



Key Stage 2: 2003 Paper A



26

Award **TWO** marks for the correct answer of 20

If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg

- 30 × f5 = f150 f150 - f110 = f40 f40 ÷ f2 = 20
- f110 ÷ 30 = f3 each, with f20 left over f20 ÷ f2 = 10 30 10 = 20

OR

a trial and improvement method, eg
 30 x f3 = f90
 10 x f3 + 20 x f5 = f130
 15 x f3 + 15 x f5 = f120

Up to 2m

(U2)

Calculation must be performed for the award of **ONE** mark.

A 'trial and improvement' method must show evidence of improvement, but a final answer need not be reached for the award of **ONE** mark.

Key Stage 2: 2003 Paper B

1.

1a	3	1m
1b	75	1m
1c	84	1m

Key Stage 2: 2003 Paper B

4 a	90	1m
4b	13	1m

Calculation completed correctly as shown:

6 3 × 6 = 3 7 8

OR

5 4 × 7 = 3 7 8

OR

4 2 × 9 = 3 7 8

1m

Key Stage 2: 2003 Paper B

4.

14

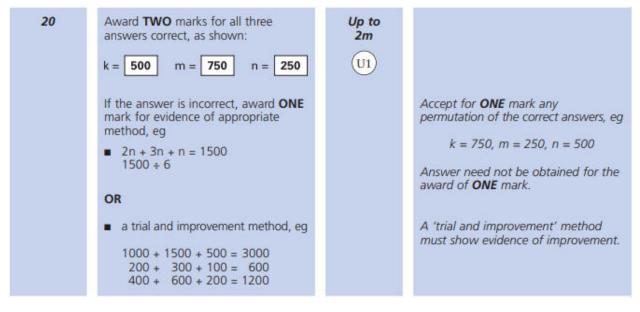
Award **TWO** marks for one correct number written in each white section of the table, eg

	less than 1000	1000 or more	
multiples of 20	100	2000	
not multiples of 20	19	1001	

If the answer is incorrect, award **ONE** mark for three sections completed correctly.

Up to 2m

Accept more than one number in each section as long as **all** are correct.



Key Stage 2: 2003 Paper B

21a	£1.50	1m	
21b	Award TWO marks for the correct answer of 250	Up to 2m	
	If the answer is incorrect, award ONE mark for evidence of appropriate method, eg		Answer need not be obtained for the award of ONE mark.
	360 ÷ 90 = 4		
	1000 ÷ 4		

Key Stage 2: 2004 Paper A

1.

1a	115	1m
1b	30	1m
1c	69	1m

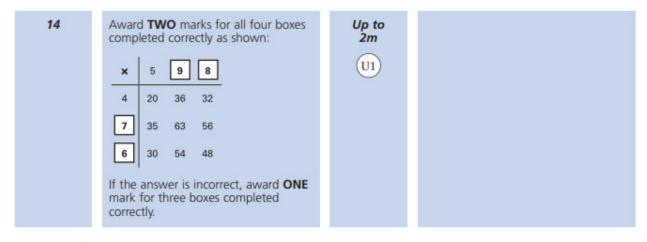
Key Stage 2: 2004 Paper A

2.

(6a	15	1m
(6b	25	1m

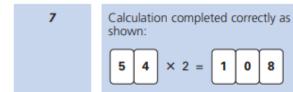
Key Stage 2: 2004 Paper A

3.



Key Stage 2: 2004 Paper B

5a	8	1m
5b	80	1m





Key Stage 2: 2004 Paper B

3.

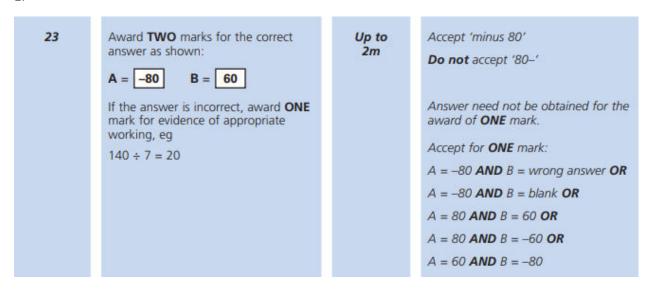


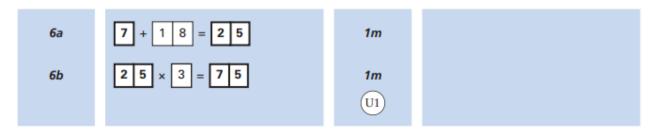
Key Stage 2: 2004 Paper B

4.



Key Stage 2: 2005 Paper A





Key Stage 2: 2005 Paper B

2.



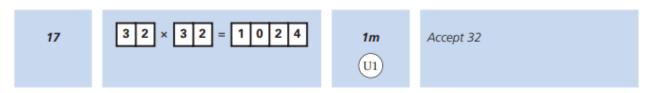
Key Stage 2: 2005 Paper B

3.

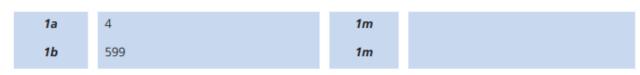


Key Stage 2: 2005 Paper B

4.

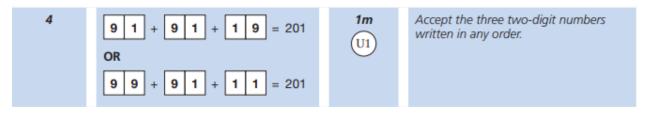


Key Stage 2: 2006 Paper B



Key Stage 2: 2006 Paper B

2.



Key Stage 2: 2007 Paper A

1.



Key Stage 2: 2007 Paper B

1.



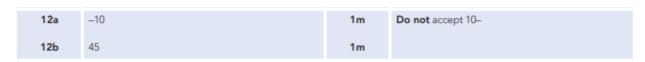
Key Stage 2: 2007 Paper B

2.

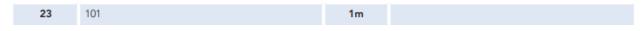


Key Stage 2: 2009 Paper B

1.



Key Stage 2: 2010 Paper A



Key Stage 2: 2010 Paper B

1.



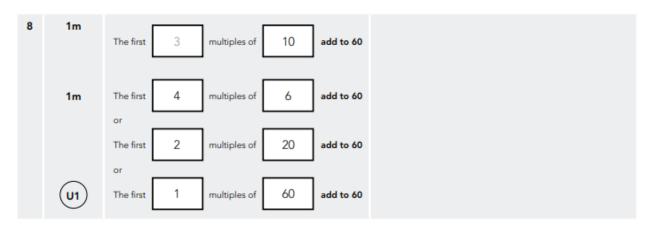
Key Stage 2: 2011 Paper A L6

1.

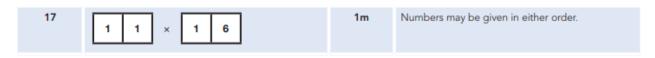
11	1m	16	
	1m	800	

Key Stage 2: 2011 Paper B L6

1.



Key Stage 2: 2011 Paper B



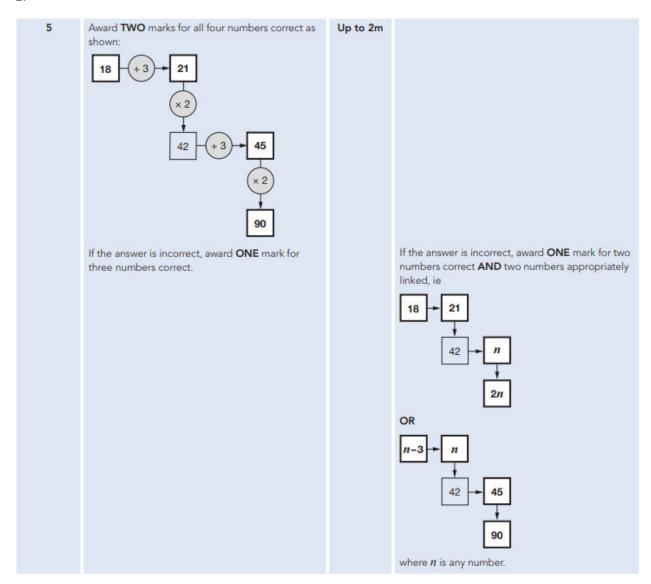
Key Stage 2: 2012 Paper A L6

1.

9a	Gives a value for y such that $10y + 2$ is a prime number, eg: • 0 • $\frac{1}{2}$ • 1.7	1m	n
9b	Gives a value for y such that $10y + 2$ is a square number, eg: • -0.1 • 0.2 • 0.7 • 1.4	1m	n

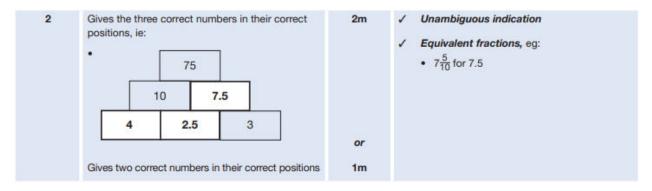
Key Stage 2: 2012 Paper B L6

2	2.089 in first box	1m	✓ Equivalent fractions
	2.095 in second box	1m	



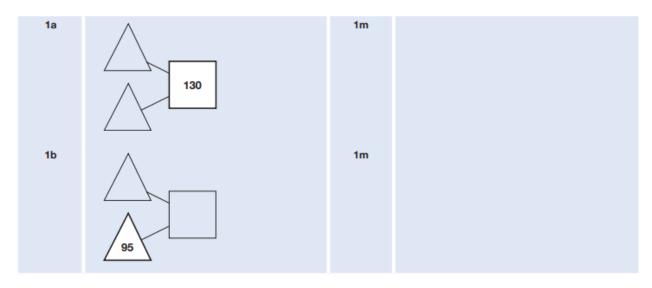
Key Stage 2: 2012 Paper B

1a	68	1m	
1b	35	1m	



Key Stage 2: 2013 Paper B L6

9	2.2	2m	! For 1m, accept 2.1 (correct value but not correctly rounded)
		or	
	10.648 or 10.65 or 10.6 seen (the answer to 2.2 × 2.2 × 2.2)	1m	
	OR		
	2.15() seen		
	OR		
	Shows a correct method using trial and improvement, eg: • 2 × 2 × 2 = 8 2.5 × 2.5 × 2.5 = 15.625 2.1 × 2.1 × 2.1 = 9.261 • 2.4 because it's bigger than 2.1 which was too small, but smaller than 2.5 which was too big		! Trial and improvement methods There must be at least three trials. At least three of these trials must reduce the interval in which the solution is known to lie and at least two trials must use values to 1 decimal place ! Numbers not evaluated within trial and improvement methods
			Condone methods that do not show evidence of evaluating the final number, eg: • 2.3 because I know it's between 2 and 2.5



Key Stage 2: 2013 Paper B

1.

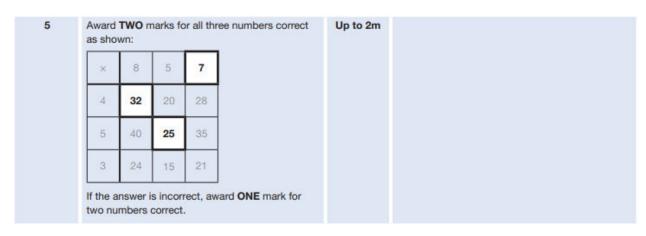
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Key Stage 2: 2014 Paper A L6

1.

10	2.5	1m	✓	Equivalent fractions or decimals
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Key Stage 2: 2014 Paper A



Key Stage 2: 2014 Paper B

1.

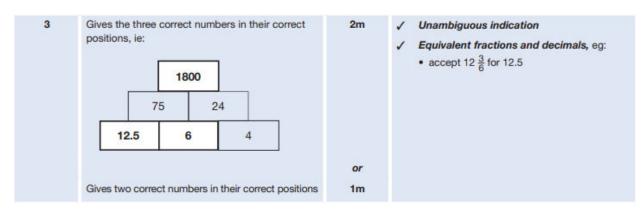
23	3 AND 5 AND 7	1m	Numbers may be given in any order.	
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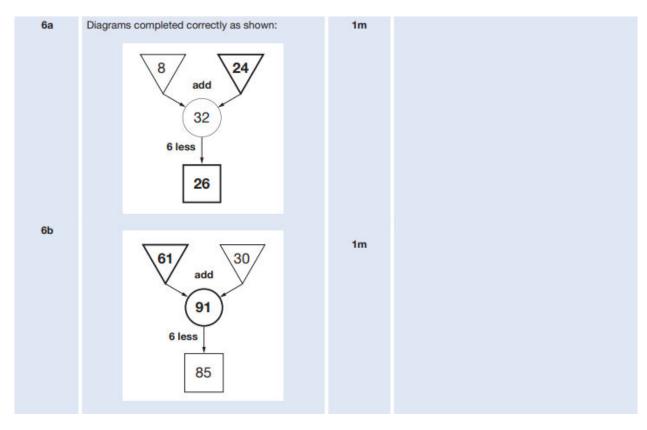
Key Stage 2: 2015 Paper A L6

1.

1a	4.9	1m	✓ Accept equivalent fractions and decimals
1b	-0.5	1m	√ - ½

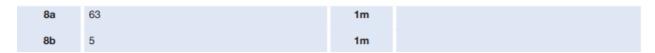
Key Stage 2: 2015 Paper A L6





Key Stage 2: 2015 Paper A

2.



Key Stage 2: 2015 Paper A



Two numbers with a difference of 2, in the range
48 inclusive to 52 exclusive eg:

48 AND 50

OR

51.9 AND 49.9

OR

any pair of numbers that differ from those above by a multiple of 100 and have a difference of 2, eg:

149 AND 151

OR

648 AND 650

Key Stage 2: 2015 Paper B

1.

1	1	1	89
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Key Stage 2: 2015 Paper B

2.

14	13	1m

Key Stage 2: 2015 Paper B

16a	7	1m	
16b	8	1m	

Qu	Requirement	Mark	Additional guidance
6	1 8 1 + 7 1 9 9 0 0	1 mark	

Key Stage 2: 2016 Paper 2 Reasoning - Sample

1.

1 257	1m	
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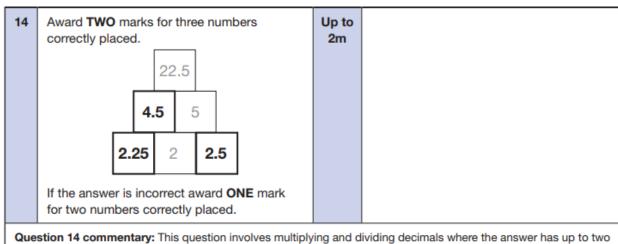
Key Stage 2: 2016 Paper 3 Reasoning - Sample

1.

12 0.993	1m	
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Key Stage 2: 2016 Paper 3 Reasoning - Sample

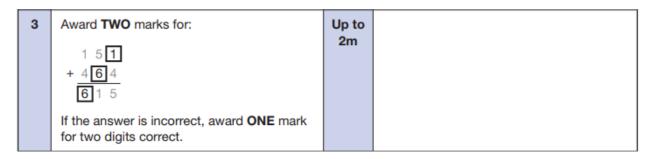
2.



Question 14 commentary: This question involves multiplying and dividing decimals where the answer has up to two decimal places (6F9).

Key Stage 2: 2016 Paper 2 Reasoning

1.



Key Stage 2: 2016 Paper 2 Reasoning

2.

18	20	1m	
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Key Stage 2: 2018 Paper 3 Reasoning

1.

3	Digits in correct order, as shown:	1m	All digits must be in the correct order for the award of ONE mark.
	2743		the award of ONE mark.

Key Stage 2: 2019 Paper 2 Reasoning

40		4	
16	4	1m	
			1