Using Formulae - Answers

Key Stage 2: 2003 Paper A

1.

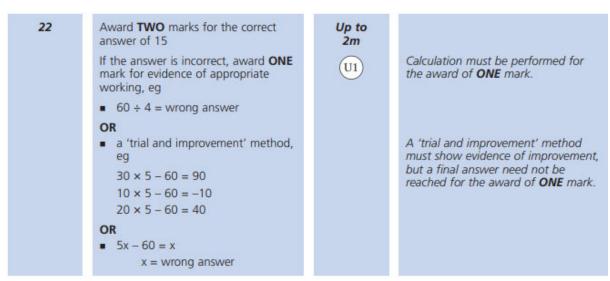


Key Stage 2: 2004 Paper A

1.

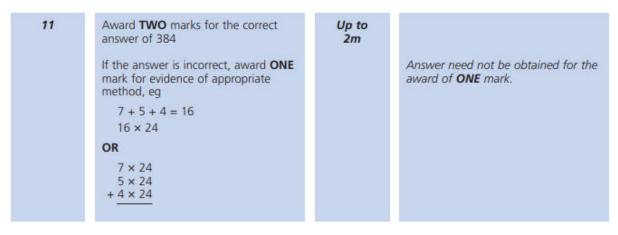
| 18 | Award TWO marks for the correct answer of 21 | Up to 2m | |
|----|---|-------------|---|
| | If the answer is incorrect, award ONE mark for evidence of appropriate working, eg | | Award ONE mark for an answer of 6 OR for 6 shown with no evidence of an incorrect method. |
| | 5 + 2 = 7 15 ÷ 5 × 7 | | Answer need not be given for the award of ONE mark. |
| | OR | | |
| | 5 new 2 old | | |
| | 10 new 4 old | | |
| | 15 new 6 old | | |

Key Stage 2: 2004 Paper A



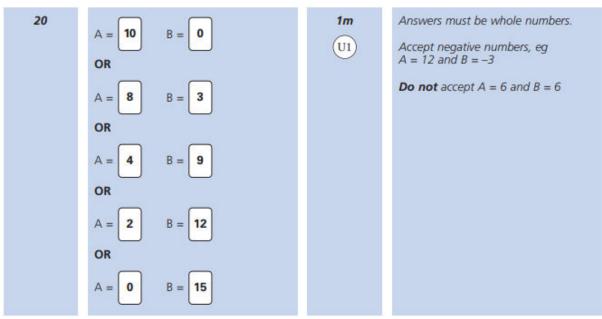
Key Stage 2: 2004 Paper B

1.



Key Stage 2: 2004 Paper B



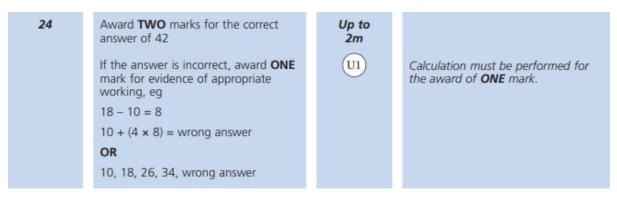


Key Stage 2: 2004 Paper B

| 24 | Award TWO marks for the correct answer of 2.4 | 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. |
| | $6 \times 8 = 48$ (48g fibre in one loaf) | | |
| | 48 ÷ 20 | | |
| | OR | | |
| | $800 \div 20 = 40$ (one slice weighs 40g) | | |
| | 6% of 40 | | |

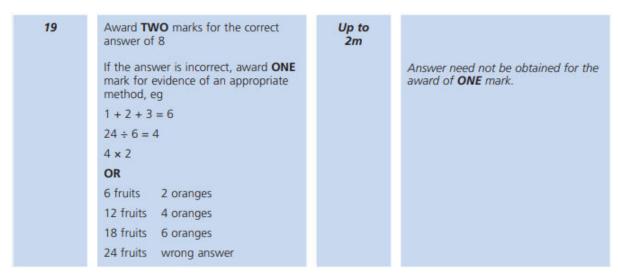
Key Stage 2: 2005 Paper A

1.



Key Stage 2: 2005 Paper B

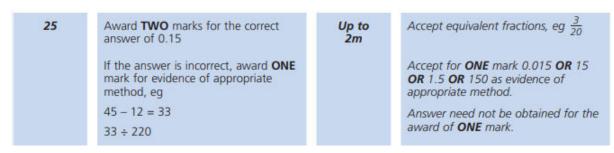
1.



Key Stage 2: 2005 Paper B

2.

4

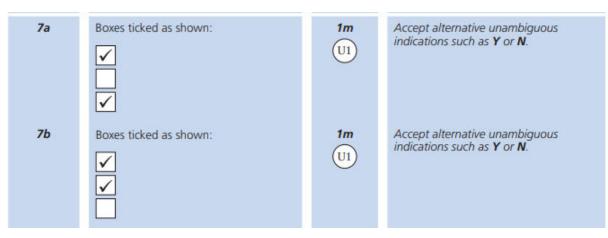


Key Stage 2: 2006 Paper A

| 1. | | | |
|------------|-----|------------|--|
| 4 a | 4 | 1 <i>m</i> | |
| 4b | 150 | 1m | |

Key Stage 2: 2006 Paper A

2.

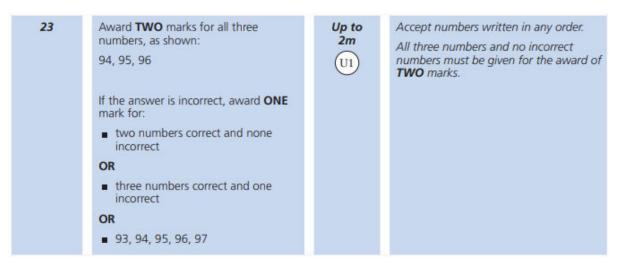


Key Stage 2: 2006 Paper A

3.

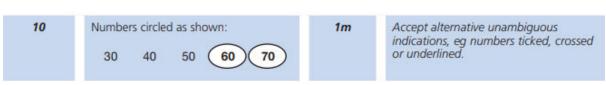
| 9 | Award TWO marks for the correct answer of 5 | Up to 2m | |
|---|---|-------------|---|
| | If the answer is incorrect, award ONE mark for evidence of appropriate working, eg | | Calculation must be performed for the award of ONE mark. |
| | 5 × 25 = 125 | | |
| | 12 × 10 = 120 | | |
| | 125 – 120 = wrong answer | | |

Key Stage 2: 2006 Paper A



Key Stage 2: 2006 Paper B

1.



Key Stage 2: 2006 Paper B

2.

| 19 | Award TWO marks for the correct answer of 30 | 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. |
| | 45 ÷ 3 = 15 | | |
| | 15 × 2 | | |

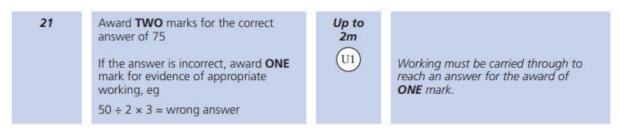
Key Stage 2: 2006 Paper B

3.

| 25 | Award TWO marks for the correct answer of 14 If the answer is incorrect, award ONE mark for evidence of appropriate method, eg $17.5 \times 4 = 70$ $70 \div 5$ | Up to 2m Ul | Accept for ONE mark 140 OR 1.4 as evidence of appropriate method. Answer need not be obtained for the award of ONE mark. |
|----|---|-------------------|--|
|----|---|-------------------|--|

Key Stage 2: 2007 Paper A

1.



Key Stage 2: 2007 Paper B

| 1. | | | |
|----|----|------------|--|
| 9a | 5 | 1m | |
| 9b | 13 | 1 <i>m</i> | |

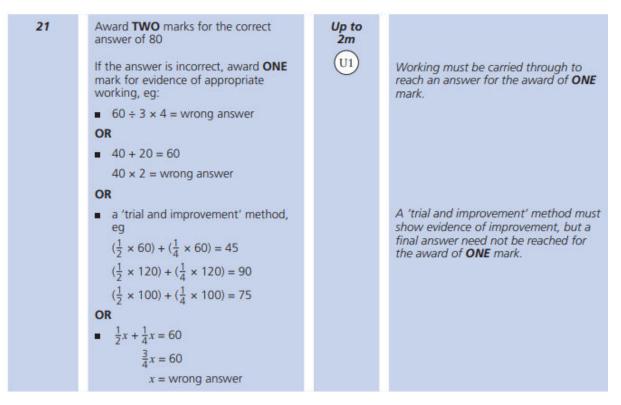
Key Stage 2: 2008 Paper A

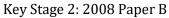
1.

| 8a | 32 | 1m | |
|----|----|----|--|
| 8b | 11 | 1m | |
| 8c | 40 | 1m | |

Key Stage 2: 2008 Paper A

2.





| 14 | Award TWO marks for the correct answer of 76 If the answer is incorrect, award ONE mark for evidence of appropriate method, eg 44 × 2 = 88 | Up to 2m | Answer need not be obtained for the award of ONE mark. |
|----|---|-------------|---|
| | 88 – 12 | | |

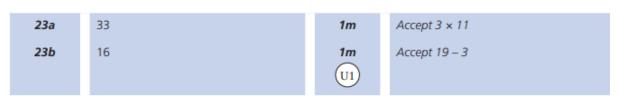
Key Stage 2: 2008 Paper B

2.

| 18 | Award TWO marks for the correct answer of 13 | Up to 2m | |
|----|--|-------------|--|
| | If the answer is incorrect, award ONE mark for evidence of appropriate method, eg 500 ÷ 15 = 33 500 ÷ 25 = 20 | | Award ONE mark for an answer of $13\frac{1}{3}$ OR 13.3 OR 13.3 OR 13.3 OR 13.33 , etc. Award ONE mark for sight of 20 AND 33 with no evidence of an incorrect method. |
| | 33 – 20 | | Answer need not be obtained for the award of ONE mark. |

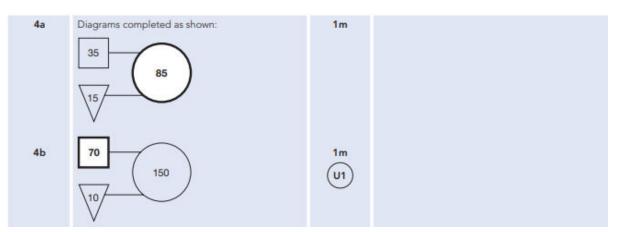
Key Stage 2: 2008 Paper B

3.

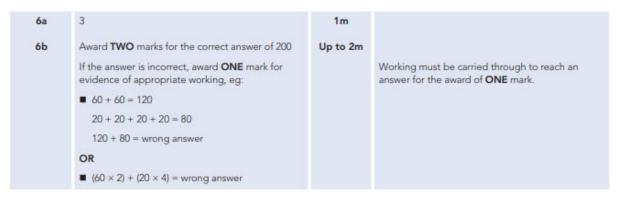


Key Stage 2: 2009 Paper A

1.



Key Stage 2: 2009 Paper A



Key Stage 2: 2009 Paper B

1.

| 4a | 4 | 1m | |
|----|----|----|--|
| 4b | 23 | 1m | |

Key Stage 2: 2009 Paper B

2.

| 14 | Two numbers, | 1m | The second number is ten more than ten times |
|----|------------------------|----|--|
| | x AND y | | the first number. |
| | where $y = 10 (x + 1)$ | | |
| | eg, 1 AND 20 | | |
| | OR 3 AND 40 | | |
| | OR 10 AND 110 | | |

Key Stage 2: 2009 Paper B

3.

| 22a | 40 | 1m | |
|-----|---|-----------|---|
| 22Ь | Award TWO marks for the correct answer of 250 If the answer is incorrect, award ONE mark for evidence of appropriate method, eg: 5 00 + 2 × 5 = 1250 1250 - 1000 OR 1 $\frac{1}{2}$ litre 2 smoothies 1 litre 4 smoothies 1 $\frac{1}{4}$ litres 5 smoothies 1 $\frac{1}{4}$ - 1 = $\frac{1}{4}$ $\frac{1}{4} \times 1000$ | Up to 2m | Accept for ONE mark an answer of $\frac{1}{4}$ litre OR sight of $\frac{1}{4}$ litre with no evidence of an incorrect method. Accept for ONE mark an answer of 1250 OR sight of 1250 with no evidence of an incorrect method. Answer need not be obtained for the award of ONE mark. |

Key Stage 2: 2010 Paper A

1.

Award TWO marks for the correct answer of 23
If the answer is incorrect, award ONE mark for evidence of appropriate working, eg
2 × 2 = 4
4 + 5 = 9
9 × 2 = 18
18 + 5 = wrong answer

Key Stage 2: 2010 Paper B

1.

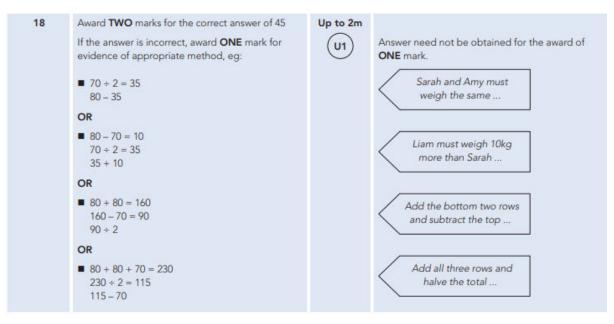
| 13 | Award TWO marks for the correct answer of 99 | Up to 2m | |
|----|---|----------|---|
| | If the answer is incorrect, award ONE mark for evidence of appropriate method, eg | | Answer need not be obtained for the award of ONE mark. |
| | 36 – 25 = 11 | | |
| | 11 × 9 | | |
| | OR | | |
| | (36 – 25) × 9 | | |

Key Stage 2: 2010 Paper B

2.

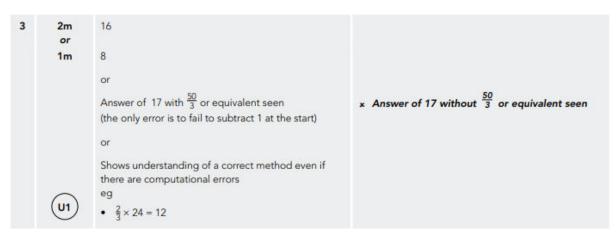
| 15a | 16 | 1m | |
|-----|-----|----|--|
| 15b | 46р | 1m | |

Key Stage 2: 2010 Paper B



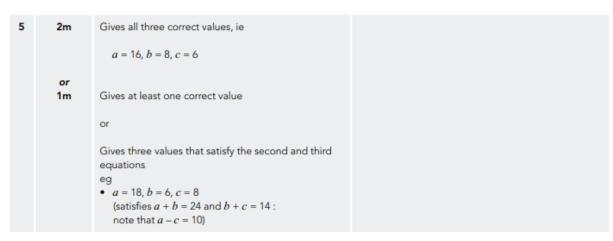
Key Stage 2: 2011 Paper A L6

1.



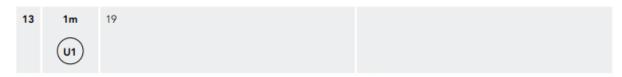
Key Stage 2: 2011 Paper A L6

2.



Key Stage 2: 2011 Paper A L6

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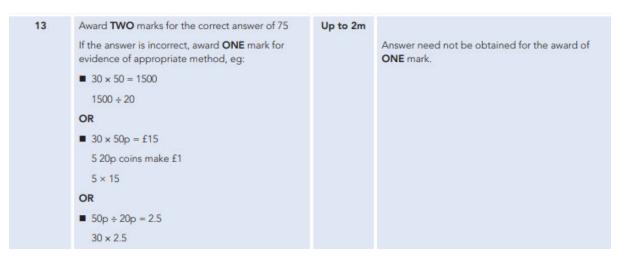


Key Stage 2: 2011 Paper A

| 6a | 54 | 1m | |
|----|----|----|--|
| 6b | 63 | 1m | |

Key Stage 2: 2011 Paper B

1.



Key Stage 2: 2011 Paper B

2.

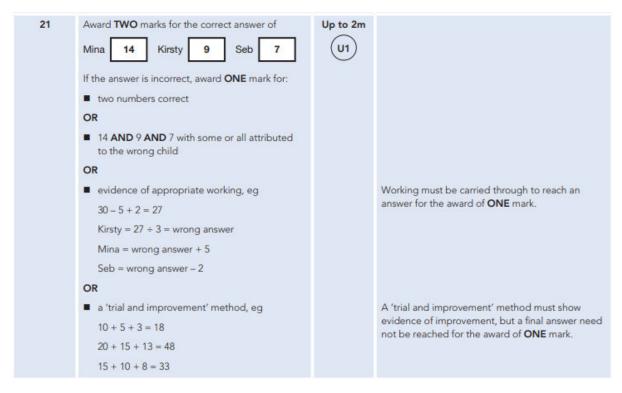
| 19 | Award TWO marks for the correct answer of 16 | Up to 2m | |
|----|--|----------|--|
| | If the answer is incorrect, award ONE mark for evidence of appropriate method, eg: | | Answer need not be obtained for the award o ONE mark. |
| | ■ 56 ÷ 7 = 8 | | |
| | 2 × 8 | | |
| | OR | | |
| | 7 quarter-circles 2 triangles | | |
| | 14 quarter-circles 4 triangles | | |
| | 28 quarter-circles 8 triangles | | |
| | 56 quarter-circles | | |

Key Stage 2: 2012 Paper A

| 1. | | | |
|----|---|----------|--|
| 4a | Award TWO marks for the correct answer of 26 If the answer is incorrect, award ONE mark for evidence of appropriate working, eg: 1 2 + 25 + 17 = 54 80 - 54 = wrong answer | Up to 2m | Working must be carried through to reach an answer for the award of ONE mark. |
| 4b | OR ■ 80 – 12 – 25 –17 = wrong answer £6 | 1m | |

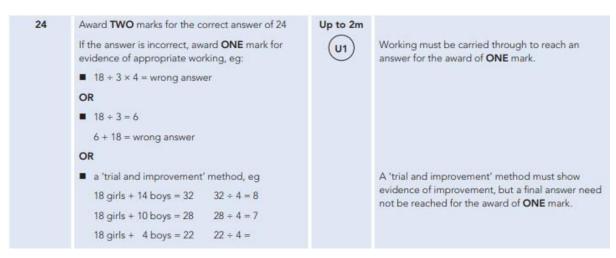
Key Stage 2: 2012 Paper A

1.



Key Stage 2: 2012 Paper A

2.

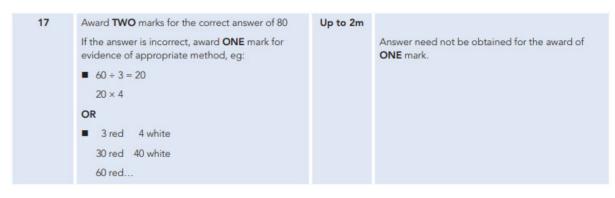


Key Stage 2: 2012 Paper B

| 1. | | | | |
|----|----|--|----------|---|
| | 15 | Award TWO marks for the correct answer of 37p. If the answer is incorrect, award ONE mark for evidence of appropriate method, eg $24p \times 2 = 48p$ f1.59 - 48p = f1.11 f1.11 ÷ 3 | Up to 2m | Accept for ONE mark £37 OR £37p OR 0.37p as evidence of appropriate method. Answer need not be obtained for the award of ONE mark. |
| | | | | |

Key Stage 2: 2012 Paper B

3.

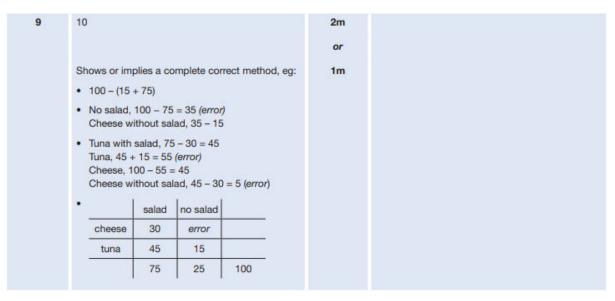


Key Stage 2: 2012 Paper B

4.

| 23 Two numbers where the value of k is four times the value of j , eg | 1m |
|---|----|
| When <i>j</i> is 5 then <i>k</i> is 20 | |
| When <i>j</i> is 11 then <i>k</i> is 44 | |

Key Stage 2: 2013 Paper A L6



Key Stage 2: 2013 Paper A L6

| 10 | 9.6 or equivalent, eg: | 2m | ! Measures |
|----|---|----|-----------------------|
| | • 9.60 | | See guidance (page 7) |
| | | or | |
| | Shows or implies the correct scale factor, eg: | 1m | |
| | • x3 seen | | |
| | • 13.5 ÷ 4.5 = 3 | | |
| | • 3.2 + 3.2 + 3.2 | | |
| | • 1:3 | | |
| | OR | | |
| | Shows the digits 96 | | |
| | OR | | |
| | Shows or implies a complete correct method, eg: | | |
| | • 13.5 ÷ 4.5 × 3.2 | | |
| | • 2.10 (error) 4.5 13.5 | | |
| | 3.2 × 2.10 = 6.4 (error) | | |

Key Stage 2: 2013 Paper B L6

1. 8 Indicates No and gives a correct explanation that 1m Minimally acceptable explanation, eg: 1 includes indicating two different areas, eg: • 6 × 2 = 12, 5 × 3 = 15 · A rectangle with sides 6cm by 2cm has a perimeter of 16cm and an area of 12cm² but a rectangle with sides 5cm and 3cm has the 5 35 32 4 same perimeter of 16cm but it has an area of 15cm² which is different so she is not correct 8 7 A square with sides 3cm by 3cm and a 1 Ignore any incorrect units given in an rectangle with sides 4cm by 2cm have the otherwise correct explanation, eg: same perimeter of 12cm but they have different areas of 9cm² and 8cm² 6² for 6cm² Indicates Yes, or no decision made, but 1 explanation clearly correct Condone, provided the explanation is more than minimal X Incomplete or incorrect explanation, eg: • 6 × 2, 5 × 3 · Two rectangles, one with sides 6cm by 5cm and one with sides 8cm by 3cm have the same perimeter of 22cm but they don't have the same area 4 5 35 8 7

Key Stage 2: 2013 Paper A

| 24 | Award TWO marks for the correct answer of cake 40 p AND biscuit 25 p | Up to 2m | |
|----|--|----------|---|
| | If the answer is incorrect, award ONE mark for: answers reversed, ie: cake = 25p AND biscuit = 40p OR one of the two costs correct OR for evidence of appropriate working, eg cost of cake + biscuit + biscuit = 90p cake = biscuit + 15p 90p - 15p = 75p 75p ÷ 3 + 15p = wrong answer | | Accept for ONE mark 0.40p OR £40 AND 0.25p OR £25 as evidence of appropriate working. Working must be carried through to reach an answer for the award of ONE mark. |

Key Stage 2: 2013 Paper B

1.

18
 2 9
$$\times$$
 6 9 = 2001
 1m
 Numbers may be given in either order.

 U1
 U1

Key Stage 2: 2013 Paper B

1.

| 22 | Award TWO marks for the correct answer of 16 If the answer is incorrect, award ONE mark for | Up to 2m | Answer need not be obtained for the award |
|----|--|----------|---|
| | evidence of an appropriate method, eg 45 ÷ 1.25 = 36 45 ÷ 2.25 = 20 | | of ONE mark. |
| | 36 - 20 | | |

Key Stage 2: 2014 Paper B L6

1.

| 1a | <i>n</i> + 3 or 3 + <i>n</i> | 1m | ! | Algebra See guidance (page 9) |
|----|-------------------------------------|----|---|--|
| | | | 1 | Alternative letter used, eg, for part (a), accept m used instead of n , if the expression is otherwise correct: • $m + 3$ |
| 1b | 2 <i>m</i> – 5 | 1m | 1 | Condone unsimplified or unconventional algebra, eg, for part (b): • $m + m - 5$ • $m2 - 5$ |

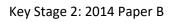
Key Stage 2: 2014 Paper A

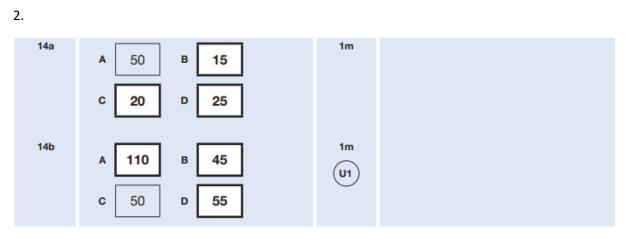
| 1. | | | |
|----|--|----------|--|
| 20 | Award TWO marks for the correct answer of 1.05kg | Up to 2m | Do not accept 1050g |
| | If the answer is incorrect, award ONE mark for evidence of appropriate working, eg: | | Accept for ONE mark 10.5 or 105 as evidence of appropriate working. |
| | ■ 12 ÷ 4 = 3 350 × 3 = 1050 | | Working must be carried through to reach an answer for the award of ONE mark. |
| | 1050 ÷ 1000 = wrong answer | | |

Key Stage 2: 2014 Paper B

1.

| 5a | 43 | 1m | |
|----|--|----------|--|
| 5b | Award TWO marks for the correct answer of 24 | Up to 2m | |
| | If the answer is incorrect, award ONE mark for evidence of appropriate working, eg: | | Working must be carried through to reach an answer for the award of ONE mark. |
| | 77 - 18 - 35 = wrong answer | | |
| | OR | | |
| | ■ 35 + 18 = 53 | | |
| | 77 – 53 = wrong answer | | |





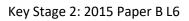
Key Stage 2: 2014 Paper B

| 19 | Award TWO marks for the correct answer of 45 AND 35 If the answer is incorrect, award ONE mark for: • either 35 OR 45 OR • evidence of appropriate working, eg 80 - 10 = 70 70 ÷ 2 = 35 35 + 10 = wrong answer | Up to 2m | Numbers may be given in either order. Working must be carried through to reach an answer for the award of ONE mark. |
|----|---|----------|--|
|----|---|----------|--|

Key Stage 2: 2015 Paper B L6

1.

| 4 | 35 | 2m | |
|---|---|----|---|
| | | or | |
| | Shows or implies a complete correct method, eg: • (670 - 250) ÷ 12 • 670 = 250 + 12n 12n = 670 - 250 12n = 430 (error) n = 430 ÷ 12 = 25.8 (error) | 1m | Inconsistent units Within an otherwise correct method, condone eg, for 1 mark accept (£6.70 - 250) ÷ 12 Condone correct embedded solutions Award 1 mark, for a response which shows 35 as the embedded solution to their worki |



2.

| 10a | 400 | 2m | |
|-----|---|----|--------------|
| | | or | |
| | Shows or implies a complete correct method, eg: | 1m | |
| | 30% - 25% = 5% 5% = 20 100% = 20 × 20 | | |
| 10b | 111.6 or 112 | 1m | x 111 |

Key Stage 2: 2015 Paper B

1.

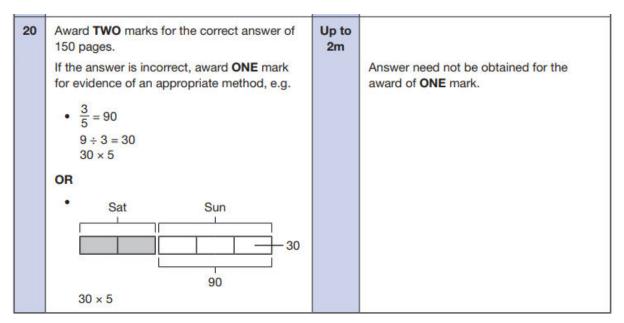
| 12 | Award TWO marks for the correct answer of 60 | Up to 2m | |
|----|--|----------|--|
| | If the answer is incorrect, award ONE mark for evidence of appropriate working, eg: | (U1) | Working must be carried through to reach an answer for the award of ONE mark. |
| | Ate 10, gave away 5 | - | |
| | Ate 40, gave away 20 | | |
| | Ate 40 + 20 = wrong answer | | |
| | ■ 40 ÷ 10 = 4 | | |
| | 4 × 5 = 20 | | |
| | 20 + 40 = wrong answer | | |

Key Stage 2: 2016 Paper 2 Reasoning - Sample

| 2 | Award TWO marks for the correct answer of 122 | Up to 2m | |
|---|---|-------------|---|
| | If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g. | | Answer need not be obtained for the award of ONE mark. |
| | • 4 × 7 = 28 150 - 28 | | |

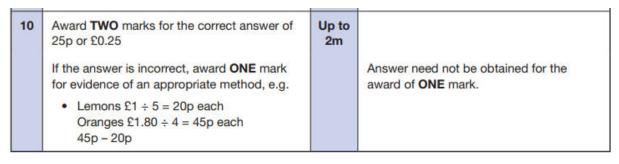
Key Stage 2: 2016 Paper 2 Reasoning - Sample

2.



Key Stage 2: 2016 Paper 3 Reasoning - Sample

1.



Key Stage 2: 2016 Paper 3 Reasoning - Sample

| 16 | 6 Award TWO marks for the correct answer of 96 | Up to 2m | |
|----|---|-------------|---|
| | If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g. | | Answer need not be obtained for the award of ONE mark. |
| | • 10.5 × 2 = 21 21 + 11 = 32 32 × 3 | | |

Key Stage 2: 2016 Paper 2 Reasoning

1.

| 13 | Award TWO marks for the correct answer of 119 | Up to 2m | |
|----|---|-------------|---|
| | If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g. | | Answer need not be obtained for the award of ONE mark. |
| | 140 ÷ 20 = 7 3 × 7 = 21 140 - 21 | | |
| | OR | | |
| | • 140 ÷ 20 = 7 | | |
| | 20 - 3 = 17 | | |
| | 17 × 7 | | |

Key Stage 2: 2016 Paper 3 Reasoning

| Σ | Award TWO marks for the correct answer of 1.07 | Up to 2m | |
|---|--|-------------|--|
| | If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g. • 1.28 + 1.65 = 2.93 4 - 2.93 OR • 4 - 1.28 = 2.72 | | Accept for ONE mark an answer of 107 metres as evidence of an appropriate method. Answer need not be obtained for the award of ONE mark. |
| | 2.72 – 1.65 OR | | |

Key Stage 2: 2016 Paper 3 Reasoning

| 11 | Award TWO marks for the correct answer of 2,970 | Up to 2m | |
|----|--|-------------|--|
| | If the answer is incorrect, award ONE mark for evidence of an appropriate method with no more than one arithmetic error, e.g. • 11 × 6 = 66 66 × 45 | | Do not accept sight of a correct multiplication only, e.g. $11 \times 6 \times 45$, for ONE mark. Misreads are not allowed. |

Key Stage 2: 2016 Paper 3 Reasoning

3.

| 16 | Award TWO marks for the correct answer of 3 | Up to 2m | |
|----|--|-------------|---|
| | If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g. • 2.5 × 6 = 15 15 ÷ 5 | | Answer need not be obtained for the award of ONE mark. Misreads are not allowed. |

Key Stage 2: 2017 Paper 2 Reasoning

1.

| 8 | Award TWO marks for the correct answer of 1,048 | Up to 2m | |
|---|---|-------------|---|
| | If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g. | | Answer need not be obtained for the award of ONE mark. |
| | 1,793 + 8,728 = 10,521 10,521 - 9,473 | | |
| | OR | | |
| | 9,473 - 8,728 = 745 1,793 - 745 | | |

Key Stage 2: 2017 Paper 2 Reasoning

2.

| 14 | 18 | 1m | Accept 18:12 OR 12:18 |
|----|----|----|-----------------------|
| | | | |

Key Stage 2: 2017 Paper 3 Reasoning

| 12 | An explanation that shows Adam has four times as many balloons as Chen, e.g. | 1m | Do not accept vague or incomplete explanations, e.g. |
|----|--|----|---|
| | 24 × 6 is 4 times as many as 12 × 3 144 is four times 36 144 ÷ 4 = 36 144 ÷ 36 = 4 36 × 4 = 144 Adam buys twice as many bags of twice as many balloons, so it's doubled twice 24 is double 12 and 6 is double 3, so it's doubled twice Chen buys half the amount of bags and each bag has half the number of balloons, so he has ¹/₄ of the amount. | | Adam buys more bags and there are more balloons in each bag Adam buys twice as many bags of twice as many balloons 24 is double 12 and 6 is double 3. |

Key Stage 2: 2017 Paper 3 Reasoning

| 16 | Award TWO marks for the correct answer of 750 | Up to 2m | |
|----|--|-------------|---|
| | If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g. | | Answer need not be obtained for the award of ONE mark. |
| | 450 × 2 = 900 2,400 - 900 = 1,500 1,500 ÷ 2 | | |

Key Stage 2: 2018 Paper 2 Reasoning

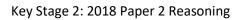
| 1 | | |
|---|---|--|
| - | • | |

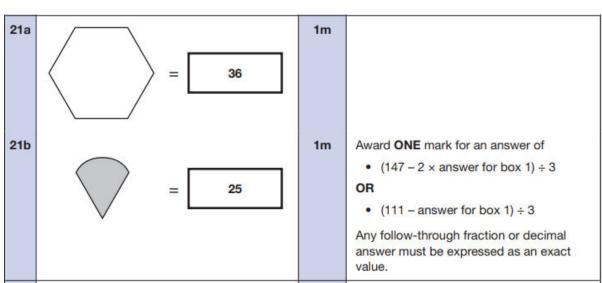
| Award TWO marks for the correct answer of 192 | Up to 2m | |
|---|-------------|---|
| If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g. | | Answer need not be obtained for the award of ONE mark. |
| • 48 × 3 = 144 24 × 2 = 48 144 + 48 = | | |
| OR | | |
| • 48 + 48 + 48 = 144 | | |
| 24 + 24 = 48 144 + 48 = | | |
| OR | | |
| • 4 × 48 | | |
| OR | | |
| • 8×24 | | |

Key Stage 2: 2018 Paper 2 Reasoning

2.

| 15 | Award TWO marks for the correct answer of 1800 | Up to 2m | |
|----|---|-------------|---|
| | If the answer is incorrect, award ONE mark for evidence of appropriate complete method with no more than one arithmetic error, e.g. | | Do not accept sight of a correct multiplication, e.g. $40 \times 15 \times 3$, for ONE mark unless part of the calculation is evaluated correctly. |
| | 40 × 15 = 500 (error) 500 × 3 = 1500 | | Misreads are not allowed. |
| | If no answer is given, the first part of the calculation must be evaluated correctly for the award of ONE mark, e.g. | | |
| | • 15 × 3 = 45 45 × 40 = | | |
| | OR | | |
| | • 40 × 15 = 600 600 × 3 = | | |
| | OR | | |
| | • 40 × 3 = 120 120 × 15 = | | |





Key Stage 2: 2018 Paper 3 Reasoning

1.

| 7a | 163 | 1m | |
|----|-----|----|--|
| 7b | 2 | 1m | |

Key Stage 2: 2018 Paper 3 Reasoning

2.

| 13 | Award TWO marks for the correct answer of 40 | Up to 2m | |
|----|--|-------------|---|
| | If the answer is incorrect, award ONE mark for evidence of appropriate method, e.g. | | Answer need not be obtained for the award of ONE mark. |
| | 2.6 × 1,000 = 2,600 2,600 ÷ 65 = 2.6 ÷ 0.065 = | | Do not accept an incorrect conversion or no conversion of units, e.g. 260 ÷ 65 = |
| | | | 2.6 kg ÷ 65 g |

Key Stage 2: 2018 Paper 3 Reasoning

| 20 | Award TWO marks for the correct answer of 101 | Up to 2m | |
|----|--|-------------|---|
| | If the answer is incorrect, award ONE mark for: • sight of 44 | | Answer need not be obtained for the award of ONE mark. |
| | OR evidence of appropriate method, e.g. 31 - 20 = 11 11 × 4 + 57 = | | |

Key Stage 2: 2019 Paper 2 Reasoning

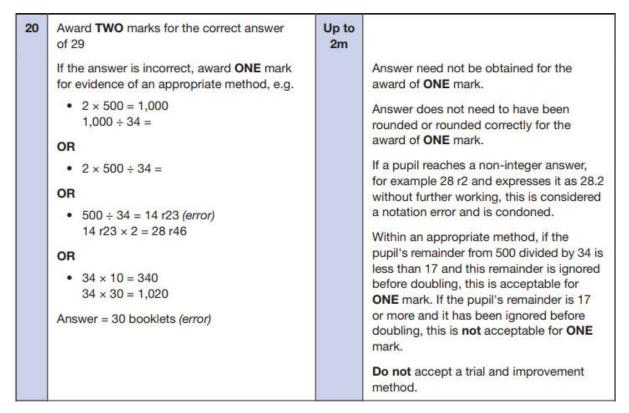
1.

| Qu. | Requirement | Mark | Additional guidance |
|-----|---|------|---|
| 10 | Second box only ticked correctly, as shown: | 1m | Accept alternative unambiguous positive indication of the correct answer, e.g. Y. |
| | number of tickets × 3 + 24 | | indication of the correct answer, e.g. r. |
| | number of tickets $\times 24 + 3$ | | |
| | number of tickets + 3 × 24 | | |
| | number of tickets + 24 × 3 | | |

Key Stage 2: 2019 Paper 3 Reasoning

| 19 | Award THREE marks for the correct answer of 7,174 | Up to 3m | |
|----|---|-------------|--|
| | of 7,174 If the answer is incorrect, award TWO marks for: • evidence of an appropriate complete method which contains no more than one arithmetic error, e.g. $\times \frac{53}{3504} \frac{105}{(error)} \times \frac{34}{3570}$ 3,504 + 3,570 = 7,074 Award ONE mark for: • evidence of an appropriate method with more than one arithmetic error. OR • sight of 3,604 as evidence of long multiplication step (68 × 53) completed correctly. OR • sight of 3,570 as evidence of long multiplication step (105 × 34) completed correctly. | 3m | Answer need not be obtained for the award of ONE mark. A misread of a number may affect the award of marks. No marks are awarded if there is more than one misread or if the mathematics is simplified. TWO marks will be awarded if an appropriate method with the misread number is followed through correctly. ONE mark will be awarded for evidence of |
| | j. | | an appropriate method with the misread number followed through correctly with no more than one arithmetic error. |

Key Stage 2: 2019 Paper 3 Reasoning



Key Stage 2: 2019 Paper 3 Reasoning

