Calculations With Money - Answers

Key Stage 2: 2003 Paper A

1.

6a	£112	1m	**Do not** accept 36 or Tuesday or £1.12
6b	£16	1m	

Key Stage 2: 2003 Paper A

2.

8	Table completed as shown:	1m	Both numbers must be correct for the award of the mark.

Type of coin	Number of coins
1p	160
10p	**16**
20p	**8**

Key Stage 2: 2003 Paper A

3.

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 × £5 = £150 £150 − £110 = £40 £40 ÷ £2 = 20	**Up to 2m** (U2)	Calculation must be performed for the award of **ONE** mark.

Key Stage 2: 2003 Paper B

1.

9	Award **TWO** marks for the correct answer of 73p **OR** £0.73	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg		Accept for **ONE** mark £73p **OR** 0.73p **OR** £73 as evidence of appropriate method.
	$195 + 38 + (70 \times 2) = 373$		Answer need not be obtained for the award of **ONE** mark.
	$373 - 300$		

Key Stage 2: 2003 Paper B

2.

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.
	$360 \div 90 = 4$		
	$1000 \div 4$		

Key Stage 2: 2004 Paper A

1.

3a	£2.45 **OR** 245p	1m	
3b	juice and apple	1m	Accept recognisable misspellings.
	OR		Accept items written in either order.
	milk and melon		Accept numerical substitutes for the required pairing, ie
			65p and 15p
			OR
			55p and 25p

Key Stage 2: 2004 Paper A

2.

10a	£2.86	1m	
10b	Award **TWO** marks for the correct answer of £2.02 **OR** 202p	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg 4.69 + 3.29 = 7.98 10 – 7.98 = wrong answer		*Accept for* **ONE** *mark £202p* **OR** *£202* **OR** *2.02p as evidence of appropriate working.* *Calculation must be performed for the award of* **ONE** *mark.*

Key Stage 2: 2004 Paper B

1.

9a	£14.60	1m	**Do not** accept £14.6
9b	Award **TWO** marks for the correct answer of £4.45	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg 1.95 + 1.25 + 1.25		*Accept for* **ONE** *mark £445* **OR** *£445p as evidence of an appropriate method.* *Accept for* **ONE** *mark £8.10* **OR** *£19.05* **OR** *the correct total of £4.45 and the answer given for 9a as evidence of an appropriate method.* *Answer need not be obtained for the award of* **ONE** *mark.*

Key Stage 2: 2004 Paper B

2.

13a	£200	1m	
13b	Award **TWO** marks for the correct answer of 37p **OR** £0.37 **OR** for finding the correct difference between £199.63 and the answer given for 13a. If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg 74.68 + 65.90 + 59.05 = 199.63 200 – 199.63 **OR** for evidence of an appropriate method to find the correct difference between £199.63 and the answer given for 13a.	Up to 2m	*Answer to 13a must be a multiple of £10 for the award of* **TWO** *follow-through marks.* *Answer need not be obtained for the award of* **ONE** *mark.* *Accept for* **ONE** *mark £37p* **OR** *0.37p* **OR** *£37 as evidence of appropriate method.*

Key Stage 2: 2005 Paper A

1.

7a	Award **TWO** marks for the correct answer of £4.10 **OR** 410p If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg 4 × 60 = 240 2 × 85 = 170 240 + 170 = wrong answer	Up to 2m	*Accept for* **ONE** *mark £410* **OR** *£410p as evidence of appropriate working.* *Calculation must be performed for the award of* **ONE** *mark.*
7b	£3.00	1m	

Key Stage 2: 2005 Paper A

1.

7a	Award **TWO** marks for the correct answer of £4.10 **OR** 410p If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg 4 × 60 = 240 2 × 85 = 170 240 + 170 = wrong answer	Up to 2m	*Accept for* **ONE** *mark £410* **OR** *£410p as evidence of appropriate working.* *Calculation must be performed for the award of* **ONE** *mark.*
7b	£3.00	1m	

Key Stage 2: 2005 Paper B

1.

1	Amounts written in correct order as shown:	1m	Accept use of equivalent units, eg 75p.
	£0.75 99p £2.05 £9 £10.50		Accept answers with missing or incorrect units.

Key Stage 2: 2005 Paper B

2.

4a	Award **TWO** marks for the correct answer of £1.38	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg		Accept for **ONE** mark £138p **OR** £138 as evidence of an appropriate method.
	$78 + (\frac{1}{2} \times 1.20)$		Answer need not be obtained for the award of **ONE** mark.
4b	6	1m	

Key Stage 2: 2006 Paper B

1.

6a	£10.51	1m	
6b	Award **TWO** marks for the correct answer of £2.26	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg		Accept for **ONE** mark £226 **OR** £226p as evidence of appropriate method.
	$34.99 + 12.75 = 47.74$		Answer need not be obtained for the award of **ONE** mark.
	$50 - 47.74$		
	OR		
	$50 - 12.75 - 34.99$		

Key Stage 2: 2006 Paper B

2.

8a	£14.40	1m	**Do not** accept £14.4
8b	20	1m	**Do not** accept £20

Key Stage 2: 2007 Paper A

1.

6a	£15	1m	
6b	Award **TWO** marks for the correct answer of £12	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg		*Accept for **ONE** mark £1200 **OR** £1200p as evidence of appropriate working.*
	11.50 + 16.50 = 28		*Working must be carried through to reach an answer for the award of **ONE** mark.*
	40 – 28 = wrong answer		

Key Stage 2: 2007 Paper A

2.

9	Award **TWO** marks for the correct answer of 55p **OR** £0.55	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg		*Accept for **ONE** mark £55 **OR** £55p **OR** 0.55p as evidence of appropriate working.*
	8.75 – 7.65 = 1.10		*Working must be carried through to reach an answer for the award of **ONE** mark.*
	1.10 ÷ 2 = wrong answer		

Key Stage 2: 2007 Paper A

3.

18	Award **TWO** marks for the correct answer of 75p	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg	(U1)	*Accept for **ONE** mark 0.75p **OR** £75 as evidence of appropriate working.*
	£1.45 – £1.10 = 35p		*Working must be carried through to reach an answer for the award of **ONE** mark.*
	£1.10 – 35p = wrong answer		
	OR		
	£1.10 × 2 = £2.20		
	£2.20 – £1.45 = wrong answer		

Key Stage 2: 2007 Paper B

1.

7	Three amounts circled as shown: (71p) (72p) 73p 74p (75p)	1m (U1)	**Do not** award the mark if additional incorrect amounts are circled. Accept alternative unambiguous indications, eg numbers ticked, crossed or underlined.

Key Stage 2: 2007 Paper B

2.

17	Award **TWO** marks for the correct answer as shown:
	
	Kate had 85p Jamie had 65p
	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg
	
	$150 \div 2 = 75$
	$(75 + 10)$ **AND** $(75 - 10)$
	
	OR
	
	a 'trial and improvement' method, eg
	
	■ 55 35
	   65 45
	   75 55 (a difference of 20p)
	
	OR
	
	■ 70 80
	   90 60
	   80 70 (a total of £1.50)
		Up to 2m
		
		(U1)
			Accept for **ONE** *mark:*
			
			Kate had 65p *Jamie had* 85p
			
			OR
			
			Kate had 0.85p *Jamie had* 0.65p
			
			Answer need not be obtained for the award of **ONE** *mark.*
			
			A 'trial and improvement' method must show evidence of improvement.

Key Stage 2: 2007 Paper B

3.

21	Award **TWO** marks for the correct answer of £19.38 If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg $114 \times 1.36 \div 8$ **OR** $114 \times 136 \div 8$	Up to 2m	*Accept for* **ONE** *mark £1938* **OR** *£1938p as evidence of appropriate working.* *Answer need not be obtained for the award of* **ONE** *mark.*

Key Stage 2: 2008 Paper A

1.

11a	Award **TWO** marks for the correct answer of £7.55	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg: ■ 7.95 + 4.50 = 12.45 20 – 12.45 = wrong answer **OR** ■ 20 – 7.95 – 4.50 = wrong answer		*Accept for **ONE** mark £755 **OR** £755p as evidence of appropriate working.* *Working must be carried through to reach an answer for the award of **ONE** mark.*
11b	£22.40	1m	

Key Stage 2: 2008 Paper B

1.

4	Award **TWO** marks for the correct answer of £2.91	Up to 2m	

	If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg:
	■ 39p × 3 = £1.17
	   29p × 6 = £1.74
	   £1.17 + £1.74
	OR
	■ 40p × 3 = £1.20
	   30p × 6 = £1.80
	   £1.20 + £1.80 – 9p
			*Accept for **ONE** mark £291 **OR** £291p as evidence of appropriate method.*
			*Answer need not be obtained for the award of **ONE** mark.*

Key Stage 2: 2008 Paper B

2.

7a	£3.05	1m	
7b	£3.50	1m	*Do not accept £3.5*

Key Stage 2: 2008 Paper B

3.

16	Award **TWO** marks for the correct answer of £33.75	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg:	(U1)	*Accept for **ONE** mark £3375 OR £3375p as evidence of appropriate method.*
	■ Ben: £15		*Answer need not be obtained for the award of **ONE** mark.*
	Nisha: £15 – £7 = £8		
	Emily: £8 + £2.75 = £10.75		
	£15 + £8 + £10.75		
	OR		
	■ 15 + (15 – 7) + (15 – 7 + 2.75)		

Key Stage 2: 2008 Paper B

4.

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		*Award **ONE** mark for an answer of $13\frac{1}{3}$ OR $13.\dot{3}$ OR 13.3 OR 13.33, etc.*
	$500 \div 15 = 33$		*Award **ONE** mark for sight of 20 **AND** 33 with no evidence of an incorrect method.*
	$500 \div 25 = 20$		*Answer need not be obtained for the award of **ONE** mark.*
	$33 - 20$		

Key Stage 2: 2009 Paper A

1.

11a	£4.79	1m	
11b	Award **TWO** marks for the correct answer of £2.35	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg		*Accept for **ONE** mark £235 OR £235p as evidence of appropriate working.*
	$2.50 \div 2 = 1.25$		*Working must be carried through to reach an answer for the award of **ONE** mark.*
	$1.25 + 1.40 = 2.65$		
	$5 - 2.65 =$ wrong answer		

Key Stage 2: 2009 Paper B

1.

5	Two coins ticked as shown:	1m (U1)	Accept alternative unambiguous indications, eg coins listed, crossed or circled.

Key Stage 2: 2009 Paper B

2.

10a	7	1m	Accept 7 r 55p. **Do not** accept 7 r 55
10b	Award **TWO** marks for the correct answer of £4.11 If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg 4 × 3.79 = 15.16 8.95 + 15.16 = 24.11 24.11 − 20	Up to 2m	Accept for **ONE** mark £411 **OR** £411p as evidence of appropriate method. Answer need not be obtained for the award of **ONE** mark.

Key Stage 2: 2010 Paper A

1.

1	Prices in order, as shown: £0.27 72p £2.07 £2.70 £7.20	1m	Accept use of equivalent units, eg 27p. Accept answers with missing or incorrect units.

Key Stage 2: 2010 Paper A

2.

4a	40p	1m	
4b	Award **TWO** marks for the correct answer of 65p **OR** £0.65 If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg 120 + 35 = 155 155 − 90 = wrong answer	Up to 2m	Accept for **ONE** mark £65 **OR** £65p **OR** 0.65p as evidence of appropriate working. Working must be carried through to reach an answer for the award of **ONE** mark.

Key Stage 2: 2010 Paper A

3.

12	Award **TWO** marks for the correct answer of 6	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg		Accept for **ONE** mark an answer of £6 as evidence of appropriate working.
	2.50 × 2 = 5		Working must be carried through to reach an answer for the award of **ONE** mark.
	14 – 5 = 9		
	9 ÷ 1.50 = wrong answer		
	OR		
	14 – 2.50 – 2.50 = 9		
	1.50 × wrong number = 9		

Key Stage 2: 2010 Paper A

4.

15	Award **TWO** marks for the correct answer of 30p.	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.
	10p × 2 = 20p		
	£1 – 20p = 80p		
	80p ÷ 4 = 20p		
	20p + 10p = wrong answer		
	OR		
	£1 ÷ 2 = 50p		
	50p – 10p = 40p		
	40p ÷ 2 = 20p		
	20p + 10p = wrong answer		

Key Stage 2: 2010 Paper B

1.

6a	5	1m	
6b	Award **TWO** marks for the correct answer of £2.85	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg		Accept for **ONE** mark £285 **OR** £285p as evidence of appropriate method.
	0.55 × 3 = 1.65		Answer need not be obtained for the award of **ONE** mark.
	1.20 + 1.65		

Key Stage 2: 2011 Paper B L6

1.

4	2m	26		× *Answer of £26*
	or			
	1m	Shows or implies a complete method with not more than one computational error or rounding error eg		× *Answer of 27 without a correct method shown or implied*

		• 35 x 24.75 = 860 (error)
		  1200 − 860 = 340
		  340 ÷ 12.5 = 27.2
		  Answer = 27
		• (1200 − 35 x 24.75) ÷ 12.5
		• 1200 − 866.25 = 333.75
		  333.75 ÷ 12.5
				! *Method used for ÷ 12.5 is repeated subtraction* Do not accept as a correct method

		or		
		26.7 seen		
		or		
		Shows the correct total for the trees, ie £1191.25		
		or		
		Shows the correct change, ie £8.75		

Key Stage 2: 2011 Paper A

1.

4	Five coins which total £1.60, ie £1 20p 20p 10p 10p **OR** 50p 50p 20p 20p 20p **OR** 50p 50p 50p 5p 5p	1m (U1)	Coins may be given in any order.

Key Stage 2: 2011 Paper A

2.

12	Award **TWO** marks for the correct answer of £3.05
	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:
	
	■ £5.00 − £1.05 = £3.95
	   £7.00 − £3.95 = wrong answer
	
	OR
	
	■ 7 − 5 = 2
	   2 + 1.05 = wrong answer
		Up to 2m	Accept for **ONE** mark £305 **OR** £305p as evidence of appropriate working.
			
			Working must be carried through to reach an answer for the award of **ONE** mark.

Key Stage 2: 2011 Paper B

1.

6a	£63.25	1m	
6b	28	1m	

Key Stage 2: 2012 Paper B L6

1.

5	13	2m	✓ £13
		or	
	Shows the value 9.5 or equivalent **OR** Shows a complete correct method with not more than one computational error, eg: • $\frac{123.5}{190} \times 20$ • $\frac{190}{20} = 9$ (error), $\frac{123.5}{9} = 14$	1m	! **13g** For 1m, accept as evidence of correct method

Key Stage 2: 2012 Paper A

1.

12a	Award **TWO** marks for the correct answer of £2.63 If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg 82p × 2 = 164p 66p + 33p = 99p 164p + 99p = wrong answer	Up to 2m	Accept for **ONE** mark £263 **OR** £263p as evidence of appropriate working. Working must be carried through to reach an answer for the award of **ONE** mark.
12b	300	1m	

Key Stage 2: 2012 Paper B

1.

3	50p **AND** 5p **OR** 20p **AND** 20p **AND** 10p **AND** 5p	1m (U1)	Coins may be given in any order. Accept alternative unambiguous indications, eg coins ticked, crossed or underlined. Accept answers with missing units, eg 50 **AND** 5

Key Stage 2: 2012 Paper B

2.

22	Award **TWO** marks for the correct answer of £1.75	Up to 2m	

	If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg:
	
	■ 40 ÷ 4.25 = 9.411…
	
	  4.25 × 9 = 38.25
	
	  40 – 38.25
	
	OR
	
	■ 10 yo-yos cost £42.50
	
	  9 yo-yos cost £42.50 – £4.25 = £38.25
	
	  £40 – £38.25
			Accept for **ONE** mark £175 **OR** £175p **OR** 1.75p as evidence of appropriate method.
			
			Accept for **ONE** mark sight of £38.25 **OR** 38.25 **OR** 3825
			
			Answer need not be obtained for the award of **ONE** mark.

Key Stage 2: 2013 Paper B L6

1.

10	9.6 or equivalent, eg:	2m	!	*Measures*
	• 9.60			See guidance (page 7)
		or		
	Shows or implies the correct scale factor, eg:	1m		
	• ×3 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			
	• $\begin{array}{r} 2.10 \ (error) \\ 4.5\overline{)13.5} \end{array}$			
	3.2 × 2.10 = 6.4 *(error)*			

Key Stage 2: 2013 Paper A

1.

7	Award **TWO** marks for a correct answer of £47 If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg £39 + £55 = £94 £94 ÷ 2 = wrong answer	Up to 2m	Working must be carried through to reach an answer for the award of **ONE** mark.

Key Stage 2: 2013 Paper A

2.

8	£18.85	1m	

Key Stage 2: 2013 Paper A

3.

9	Award **ONE** mark for three boxes ticked or crossed correctly as shown: £1.03 can be made with exactly **1** coin. ✖ £1.03 can be made with exactly **2** coins. ✘ £1.03 can be made with exactly **3** coins. ✓ £1.03 can be made with exactly **4** coins. ✓	1m	Accept alternative unambiguous indications.

Key Stage 2: 2013 Paper A

4.

16	Award **TWO** marks for the correct answer of £3.85 If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg £10 – £2.30 = £7.70 £7.70 ÷ 2 = wrong answer	Up to 2m	Working must be carried through to reach an answer for the award of **ONE** mark.

Key Stage 2: 2013 Paper B

1.

7	Award **TWO** marks for the correct answer of 65p or £0.65 If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, eg 12 × 25p = £3.00 £3.00 – £2.35	Up to 2m	Accept for **ONE** mark £65 **OR** £65p **OR** 0.65p as evidence of an appropriate method. Answer need not be obtained for the award of **ONE** mark.

Key Stage 2: 2013 Paper B

2.

17	Award **TWO** marks for the correct answer of £1.55	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, eg		Accept for **ONE** mark £155 **OR** £155p **OR** 1.55p as evidence of an appropriate method.
	£5.40 – £0.75 = £4.65		Answer need not be obtained for the award of **ONE** mark.
	£4.65 ÷ 3		

Key Stage 2: 2014 Paper B L6

1.

6a	5.50	2m	!	*Money* See guidance (page 6)
			✗	*For 2m and 1m, do not accept misreads of numbers given as words,* eg: • four instead of five
		or		
	22 seen **OR** Shows or implies a complete, correct method, eg: • c = £4.50 + £3.50 × 5 = £4.50 + £17.50 = £21 *(error)* £21 ÷ 4	1m	!	*For 1m, accept answers with incorrect or ambiguous units as evidence of a correct method,* eg: • £550 • £550p • £5.5
			!	*Correct embedded solutions* For 1m, condone a response which shows £5.50 embedded irrespective of how it is obtained
			✗	*Incomplete methods,* eg: • 3.50 × 5 = 17.50 • 14.50 ÷ 4 = 3.63
6b	3	1m		

Key Stage 2: 2014 Paper A

1.

7	Award **TWO** marks for the correct answer of 18	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:		Accept for **ONE** mark 0.18 as evidence of appropriate working.
	■ 100 – 64 = 36 36 ÷ 2 = wrong answer		Working must be carried through to reach an answer for the award of **ONE** mark.

Key Stage 2: 2014 Paper A

2.

13	Award **TWO** marks for the correct answer of 80p OR £0.80	Up to 2m	

	If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:
	
	■ £2.00 – £0.05 = £1.95
	  £5.00 – £2.25 = £2.75
	  £2.75 – £1.95 = wrong answer
			Accept for **ONE** mark £80 OR £80p OR 0.80p as evidence of appropriate working.
			
			Working must be carried through to reach an answer for the award of **ONE** mark.

Key Stage 2: 2014 Paper B

1.

7	20p 20p 20p 10p 10p 10p 10p	1m U1	Coins may be listed in any order. Accept coins with missing units.

Key Stage 2: 2015 Paper B L6

1.

2a	£4.06	1m	!	*Money* See guidance (page 6)
2b	200	2m	!	*Measures* See guidance (page 7)
		or		

	Gives an answer of 180 or 184 or 184.4(...)
	
	OR
	
	Shows or implies a complete correct method, eg:
	
	• 1000 × 2.49 ÷ 13.50
	
	• £13.50 ÷ £2.49 = 5.42
	  1000 ÷ 5.42
	
	• 1350 ÷ 1000 = 1.35
	  249 ÷ 1.35
	
	• £1.35 = 100
	  £2.70 = 200
		1m	!	*Inconsistent units*
				Within an otherwise correct method, condone
				
				eg, for 1 mark accept:
				
				• (£)13.50 ÷ 1000 = 1.35(p)
				  (£)2.49 ÷ 1.35(p)
				
				• (£)13.50 ÷ 1000 = (£)0.0135
				  249(p) ÷ (£)0.0135

Key Stage 2: 2015 Paper A

1.

10a	Award **TWO** marks for the correct answer of £7.05	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:		Accept for **ONE** mark £705 **OR** £705p as evidence of appropriate working.
	▪ £20 – £5.45 – £7.50 = wrong answer		Working must be carried through to reach an answer for the award of **ONE** mark.
	OR		
	▪ £5.45 + £7.50 = £12.95		
	£20 – £12.95 = wrong answer		
10b	15	1m	

Key Stage 2: 2015 Paper A

2.

| 16 | 50p 20p 10p 10p 10p | 1m U1 | Coins may be given in any order. |

Key Stage 2: 2015 Paper A

3.

24	Award **TWO** marks for the correct answer of 55p **OR** £0.55	Up to 2m U1	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg		Accept for **ONE** mark £55 **OR** £55p **OR** 0.55p as evidence of appropriate working.
	▪ £2.35 – £1.25 = £1.10		Working must be carried through to reach an answer for the award of **ONE** mark.
	£1.10 ÷ 2 = wrong answer		

Key Stage 2: 2015 Paper B

1.

3a	£3.48	1m	
3b	Award **TWO** marks for the correct answer of £1.10	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:		Accept for **ONE** mark £110 **OR** £110p as evidence of appropriate working.
	▪ £1.80 + 30p = £2.10		Working must be carried through to reach an answer for the award of **ONE** mark.
	60p + 40p = £1.00		
	£2.10 – £1.00 = wrong answer		

Key Stage 2: Paper 2 and 3 Reasoning - Sample

1.

Qu	Requirement	Mark	Additional guidance

8	Award **THREE** marks for the correct answer of £55.10
	
	Award **TWO** marks for a complete correct method with one arithmetic error, eg
	
	■ Sticks £12.50
	   Sugar £ 9.99 (error)
	   Apples + £22.50
	   Total £44.99
	
	   Profit £100.00
	                 – £ 44.99
	                 £ 55.01
	
	OR
	
	If the answer is incorrect, award **TWO** marks for evidence of a correct total for all the ingredients, eg
	
	■ Sticks £12.50
	   Sugar £ 9.90
	   Apples + £22.50
	   Total £44.90
	
	OR
	
	Award **ONE** mark for sight of £12.50 **and** £9.90
		Up to 3 marks	Answer need not be obtained for the award of **TWO** marks or **ONE** mark.

Key Stage 2: 2016 Paper 2 Reasoning - Sample

1.

8a	£2.55	1m	

8b	Award **TWO** marks for the correct answer of 25
	
	If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.
	
	• £5.15 – 15p = £5
	  £5 ÷ 20p
	
	OR
	
	• £5.15 – 15p = £5
	  5 × 5
		Up to 2m	Answer need not be obtained for the award of **ONE** mark.

Question 8b commentary: The 2014 national curriculum specifies that pupils should use simple formulae (6A2).			

Key Stage 2: 2016 Paper 2 Reasoning - Sample

2.

16	Award **TWO** marks for the correct answer of £5.75
	
	If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.
	
	• £6.75 × 3 = £20.25
	  £20.25 + £8.50 = £28.75
	  £28.75 ÷ 5
		Up to 2m	Answer need not be obtained for the award of **ONE** mark.

Key Stage 2: 2016 Paper 3 Reasoning - Sample

1.

4a	February and April in either order.	1m	Accept alternative unambiguous indications, e.g. F and A. **Do not** accept the amounts collected in February and April, i.e. £55 and £65
4b	£80	1m	

Key Stage 2: 2016 Paper 3 Reasoning - Sample

2.

| 9 | Award **TWO** marks for the correct answer of 29.25g

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

• 6.5 ÷ 2 = 3.25
  3 × 6.5 = 20.5 (error)
  3 × 3.25 = 9.75
  20.5 + 9.75

OR

• 10p + 5p weigh 6.5g + 3.25g = 9.75
  3 of each coin = 9.75 × 3 | **Up to 2m** | Answer need not be obtained for the award of **ONE** mark. |

Key Stage 2: 2016 Paper 2 Reasoning

1.

| 9 | Award **TWO** marks for the correct answer of 25p

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

• 168 ÷ 2 = 84
  109 – 84

OR

• 168 ÷ 6 = 28
  3 × 28 = 84
  109 – 84 | **Up to 2m** | Accept for **TWO** marks, an answer given in the acceptable notation (see page 10 for guidance).

Answer need not be obtained for the award of **ONE** mark.

Accept for **ONE** mark an answer of 0.25p **OR** £25p **OR** £25 as evidence of an appropriate method. |

2.

| 19 | Award **THREE** marks for the correct answer of £111.70

If the answer is incorrect, award **TWO** marks for:

• sight of £90 **AND** £7.90 **AND** £13.80 as all multiplication steps completed correctly

OR

• evidence of an appropriate complete method with no more than one arithmetic error, e.g.

$\begin{array}{r} 7.50 \\ \times \quad 12 \\ \hline 88.80 \\ \text{(error)} \end{array} \quad \begin{array}{r} 79 \\ \times \quad 10 \\ \hline 790 \end{array} \quad \begin{array}{r} 6.90 \\ \times \quad 2 \\ \hline 13.80 \end{array}$

88.80 + 7.90 + 13.80 = 110.50

Award **ONE** mark for evidence of an appropriate complete method. | Up to 3m | Accept for **TWO** marks, sight of 9,000p **AND** 790p **AND** 1,380p as all multiplication steps completed correctly.

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 complete method with the misread number is followed through correctly.

ONE mark will be awarded for:

• all multiplication steps completed correctly with the misread number

OR

• evidence of an appropriate complete method with the misread number followed through correctly with no more than one arithmetic error. |

Key Stage 2: 2016 Paper 3 Reasoning

1.

8	Award **TWO** marks for the correct answer of 35p **OR** £0.35	Up to 2m	

	If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.
	
	• 50p + 20p + 10p + 10p + 5p = 95p
	  £2.00 – 95p = £1.05
	  £1.05 ÷ 3
			Accept for **ONE** mark an answer of £35 **OR** £35p **OR** 0.35p as evidence of an appropriate method.
			
			Answer need not be obtained for the award of **ONE** mark.

Key Stage 2: 2016 Paper 3 Reasoning

2.

20	Award **TWO** marks for the correct answer of £11.40	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g. • £1.25 + £1.60 = £2.85 £2.85 × 4		Accept for **ONE** mark an answer of £1,140 **OR** £1,140p **OR** £11.4 as evidence of an appropriate method. Answer need not be obtained for the award of **ONE** mark.

Key Stage 2: 2017 Paper 2 Reasoning

1.

13	Award **TWO** marks for the correct answer of £1.39	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g. • 12 × 99p = £11.88 £11.88 – £10.49		Accept for **ONE** mark an answer of £139 **OR** £139p as evidence of an appropriate method. Answer need not be obtained for the award of **ONE** mark.

Key Stage 2: 2017 Paper 2 Reasoning

2.

19	Award **TWO** marks for the correct answer of £1.68	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g. • 20 – 14.96 = 5.04 5.04 ÷ 3		Accept for **ONE** mark an answer of £168 **OR** £168p as evidence of an appropriate method. Answer need not be obtained for the award of **ONE** mark.

Key Stage 2: 2017 Paper 3 Reasoning

1.

2	5	1m	

Key Stage 2: 2017 Paper 3 Reasoning

2.

5	£302.27	1m	

Key Stage 2: 2017 Paper 3 Reasoning

3.

14	Award **TWO** marks for the correct answer of £0.90	Up to 2m	
	If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g. • £1.35 × 2 = £2.70 £2.70 ÷ 3		Accept for **ONE** mark an answer of £90p **OR** £0.9 as evidence of an appropriate method. Answer need not be obtained for the award of **ONE** mark.

Key Stage 2: 2018 Paper 2 Reasoning

1.

18	Award **TWO** marks for the correct answer of £5.50	Up to 2m	

	If the answer is incorrect, award **ONE** mark for:
	
	• sight of 22 ÷ 4
	
	OR
	
	• evidence of appropriate method, e.g.
	
	  • 3 tickets cost 3 × £5 = £15
	    1 ticket costs £7
	    £15 + £7 = £22
	    £22 ÷ 2 ÷ 2
			For **ONE** mark, accept an answer of £550, £550p or £5.5 as evidence of appropriate method.
			
			Answer need not be obtained for the award of **ONE** mark.

Key Stage 2: 2018 Paper 3 Reasoning

1.

4	Award **TWO** marks for numbers completed, as shown: 5 3 2 **4** 9 + 7 4 2 **7** **6** 0 6 7 6 Award **ONE** mark for any two numbers completed correctly.	Up to 2m	

Key Stage 2: 2019 Paper 2 Reasoning

1.

11a	0.25	1m	**Do not** accept $\frac{1}{4}$ or any other fraction. Refer to section 6.3 on page 16 for additional guidance on marking answers involving measures.
11b	65(p) **OR** (£)0.65	1m	Refer to section 6.1 on pages 14 and 15 for additional guidance on marking answers involving money.

Key Stage 2: 2019 Paper 3 Reasoning

1.

| 1 | £7,899 | 1m | Refer to section 6.1 on pages 14 and 15 for additional guidance on marking answers involving money. |

Key Stage 2: 2019 Paper 3 Reasoning

1.

| 6 | Award **TWO** marks for the correct answer of £6.87

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

• £1.49 + £1.64 = £3.13
  £10 − £3.13 =

OR

• £10 − £1.49 = £8.51
  £8.51 − £1.64 =

OR

• £10 − 164p − 149p = | Up to 2m | Answer need not be obtained for the award of **ONE** mark.

Accept for **ONE** mark an answer of £687 **OR** £687p as evidence of an appropriate method.

Refer to section 6.1 on pages 14 and 15 for additional guidance on marking answers involving money. |

Key Stage 2: 2019 Paper 3 Reasoning

2.

| 16 | Award **TWO** marks for the correct answer of £1.85

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

• $1\frac{1}{2}$ × £1.50 = £2.25

  $\frac{1}{2}$ of £1.80 = 70p *(error)*

  £2.25 + 70p = £2.95
  £5 − £2.95 =

OR

• £1.50 + 75 = £2.25
  £2.25 + 90 = 415p *(error)*
  £5.00 − 415p =

OR

• sight of £3.15 **OR** 315p as evidence of evaluating the correct cost of the potatoes and carrots. | Up to 2m | **Do not** accept misreads for this question.

Answer need not be obtained for the award of **ONE** mark.

Accept for **ONE** mark an answer of £185 or £185p as evidence of an appropriate method.

Refer to section 6.1 on pages 14 and 15 for additional guidance on marking answers involving money. |