Money Problems KS2 SATS Standard Worksheet Answers

1.	(a)	£2.97	Accept £2.97p OR £2 97 OR 297p OR £2 97p OR 2.97 OR 297 Do not accept £297p OR £297 OR 2.97p	1	
	(b)	10	No mark is awarded if any units are shown, eg 10p	1	[2]
2.	(a)	£4.30	Accept 4.30 OR £4.30 OR 430p OR £4.30 OR 430 OR £4.30p.	1	
	(b)	(small) M	Aushroom AND (medium) Ham	1	
		OR (sma	ll) Tuna AND (medium) Salami		
			Both must be correct.		
			Accept other unambiguous indications, eg:		
			• £4.50, £5.50		
			• £4.25, £5.75		
			 prices ringed in table 		[2]
3.	(a)	£2.45		1m	
			Accept £2.45p OR £2 45		
			Do not accept £245 OR £245p		
	(b)	CC		1m	
			Accept 'C'.		
			Do not accept £1.55		[2]
4.	(a)	Award T	WO marks for the correct answer of 74p OR £0.74 Up to	2m	
		If the ans working,	eg		
		148 ÷ 2 =	= wrong answer		
			Accept for TWO marks 74 OR 0.74 OR £0. 74p OR .74 OR £.74 OR £.74p		
			Accept for ONE mark £74p OR 0.74p as evidence of appropriate working.		
			Calculation must be performed for the award of ONE mark.		
	(b)	Award T	WO marks for the correct answer of 22p OR £0.22 Up to	2m	
		If the ans working,	wer is incorrect, award ONE mark for evidence of appropriate eg		
		$2 \times 85 -$	148 = wrong answer		
			Accept for TWO marks 22 OR 0.22 OR £0.22 OR .22 OR £.22 OR £.22p		
			Accept for ONE mark £22p OR 0.22p OR £22 as evidence of appropriate working.		
			Calculation must be performed for the award of ONE mark.		
5.	90p	OR £0.90		1m	[2]

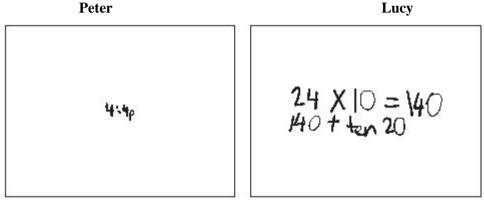
90p **OR** £0.90 5.

			Accept 90 OR 0.90 OR £.90 OR £.90p OR .90 OR £0.90p OR £0 90		
			Do not accept £0.9 OR £90p OR 0.90p OR £90		[1]
					[1]
6.	£0.6	5 72p	£2.88 £5.40	£10 1m	
			Accept answers with missing or incorrect units.		
			Accept a misread of the amounts provided this does not alter the correct order intended by the question.		
			Accept the reverse order of the amounts.		[1]
					[1]
7.	£2.4	0		1	
			Accept £2.40p OR £2 40		
			Do not accept £240 OR £240p OR £2.4		
					[1]
8.	(a)	80p OR £0	.80	1m	
			Accept £0.80p OR 0.80 OR 80 OR £.80 OR £.80p OR £0 80 OR .80 OR 0 80		
			Do not accept £80p OR £80 OR £0.8 OR 0.80p		
	(b)	£2.25 OR 2	225p	1m	
			Accept £2.25p OR 2.25 OR 225 OR £2 25		
			Do not accept £225p OR £225		[2]
					[2]
9.	(a)	Award TW	O marks for the correct answer of $\pounds 1.38$	up to 2	
			er is incorrect, award ONE mark for evidence of method, eg		
		$78 + (\frac{1}{2} \times$	1.20)		
		2	Accept for ONE mark £138p OR £138 as evidence of an appropriate method.		
			Answer need not be obtained for the award of ONE mark.		
	(b)	6		1	[3]
10.	٨	rd TWO ma	rks for the correct answer of £4.40	Up to 2	
10.	Awa			00102	
	If th		ccept £4.40p OR £4 40	2.02	
			acorrect, award ONE mark for evidence of appropriate working	2, Cg	
			vrong answer		
			An answer must be given for the award of ONE mark.		
	OT				

award **ONE** mark for £440 **OR** £440p **OR** £4.4 as evidence of appropriate working which involves a complete and correct method.

Examples of responses

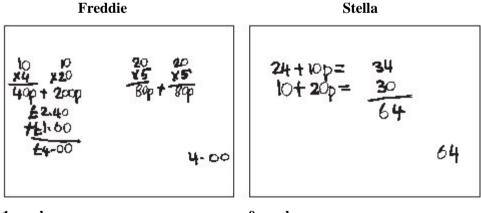
Peter has shown no working and has made an error with the notation of the units since he has omitted the 0 from £4.40. However, his answer of 4:4p can be accepted as evidence that he used a complete and correct method. He can be awarded the mark. Lucy has attempted to work out the value of the 10p coins using a correct method although she has incorrectly calculated this as 140p rather than 240p. She has also shown evidence that she intended to add ten 20p coins to this value. However, her method is not complete since she has not recorded an answer. She cannot be awarded the mark.



1 mark

0 marks

Freddie has clearly shown an appropriate method for calculating the value of the 10p coins, the 20p coins and their total value. Although he made an error in calculating the value of the 20p coins, his understanding of the problem is evident and his method is complete and correct. He can be awarded the mark. Stella's method, unlike Freddie's, is not correct since she has chosen an inappropriate operation, ie addition rather than multiplication, to calculate the value of each set of coins. Stella cannot be awarded the mark.

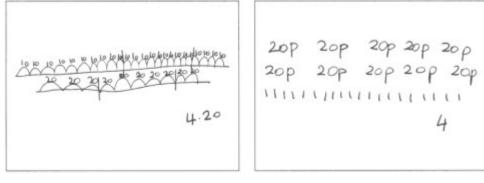


1 mark

0 marks

Surjit has drawn number lines to represent the 10p coins and the 20p coins. To find the total amount, she has subdivided the number lines into blocks representing £1 but made an error in her final calculation. Her method shows each step taken and her method is complete and correct. Surjit can be awarded the mark. Julian too has used a counting on method. He has shown the correct number of 20p coins, then has shown 20 tally marks, which we can assume represent 10p coins. We can also assume from his answer that he has totalled the amounts. Julian's method is correct, but it is not complete since his tally has not represented the correct number of 10p coins. Julian cannot be awarded the mark.

Surjit



1 mark

0 marks

(b)	13	1m	
			[2]
12. (a)	£14.60	1 m	
12. (u)	Do not accept £14.6	1 111	
(b)	Award TWO marks for the correct answer of £4.45 Up t	to 2 marks	
(0)	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 £4.45 and the answer given for 9a as evidence of an approprimethod.		
	Answer need not be obtained for the award of ONE mark.		
			[3]
10		1	
	ounts written in correct order as shown:	1	
£0.			
	Accept use of equivalent units, eg 75p.		
	Accept answers with missing or incorrect units.		
			[1]
14. (a)	Award TWO marks for the correct answer of £4.10 OR 410p	up to 2	
	If the answer is incorrect, award ONE mark for evidence of appropriate working, eg		
	$4 \times 60 = 240$		
	$2 \times 85 = 170$		
	240 + 170 = wrong answer		
	Accept for ONE mark £410 OR £410p as evidence of appropriate working.		

	Calculation must be performed for the award of ONE mark.					
	(b)	£3.00		1	[3]	
15.	(a)	£10.51		1		
	(b)		O marks for the correct answer of $\pounds 2.26$	up to 2		
			er is incorrect, award ONE mark for evidence of			
		34.99 + 12.7	75 = 47.74			
		50 - 47.74				
		OR				
		50 - 12.75 -	- 34.99			
			Accept for ONE mark £226 OR £226p as evidence of appropriate method.			
			Answer need not be obtained for the award of ONE mark.			
					[3]	
16.	Awa	rd TWO mar	ks for the correct answer of £2.47	Up to 2m		
	eg (4	e answer is ind (+6+7) - 14 (-3) = wrong a		g,		
		-	Accept for TWO marks £2.47p OR £2 47 Accept for ONE mark £247p OR £247 OR 2470 OR 24.7 as evidence of appropriate working.			
			Calculation must be performed for the award of ONE mark.		[2]	
17.	(a)	Award TW	O marks for the correct answer of £13.20 Accept £13.20p OR £13 20 OR £13 20p OR £13-20p.	up to 2		
			Do not accept for TWO marks incorrect representations of money values, eg £1320 OR £13.2 OR £1320p.			
			er is incorrect, award ONE mark for evidence of appropriate $\pounds 2.20 \times 6 =$ wrong answer			
			Calculation must be performed for the award of the mark. Accept £13.2 OR £1320p OR £1320 - for ONE mark.			
	(b)	Award TW	O marks for the correct answer of 12.	up to 2		
			er is incorrect award ONE mark for evidence of appropriate we answer other than 12.	orking,		
		-	Accept as appropriate working 11 OR unrounded or			
			inappropriately rounded calculations of $70 \div 6$, $eg11^2/_3$ OR			
			remainder 4 OR 11.6 even if no method is shown OR the tw consecutive multiples of 6 which straddle 70, ie 66 and 72.	0		
			consecutive multiples of 0 which strudule 70, le 00 and 72.		[4]	

18.	(a)	£79.35		1	
			Accept any clear indication of the distinction between pour and pence.	ıds	
			Accept £79.35p OR £79 35		
			Accept 79.35 OR 7935p written outside the answer box		
			Do not accept incorrect answers, eg:: £7935 OR £7935p		
			Do not accept 7935 OR 79.35p written outside the answer	box.	
	(b)	16		1	
			<i>No</i> mark is awarded for an answer which is not a whole number, eg:: 15.38		[0]
					[2]
19.	(a)	Award TW	O marks for the correct answer of 192 OR £192.00	Up to 2m	
			=£90		
			Accept for TWO marks £192.00p OR £192 00 Accept for ONE mark £192p OR £19200 OR £1.92 OR £19.20 OR £1920 as evidence of an appropriate method. Answer need not be obtained for the award of the mark.		
	(b)	16	This wer need not be obtained for the dward of the mark	1m	
		-			[3]
20.	(a)	£22.50 OR	2250p	1	
			Accept £22.50p OR 22.50 OR 2250 OR 22 50. Do not accept £2250 OR 22.50p OR £22.5.		
	(b)	Award TW	O marks for the correct answer of 42		
			er is incorrect, award ONE mark for evidence of an method, eg	Up to 2m	
		840 ÷ 20 O	R 8.4 \div 0.2		
			Accept for ONE mark, £42 OR 42p as evidence of an appropriate method.		
			Answer need not be obtained for the award of the mark.		
			No method mark is awarded for $8.40 \div 20$ alone.		[3]
21.	Awa	rd TWO mar	ks for the correct answer of 40p Accept £0.40p	Up to 2	
	work £0.4	e answer is in ing, eg $-80) \div 3 = w$	correct, award ONE mark for evidence of appropriate		
	-	·	-		

	£2 –	$80 \div 3 =$ wrong answer Calculation must be performed for the award of ONE mark.	
			[2]
22.	Awa	Ind TWO marks for the correct answer of £15 OR £15.00.UpAccept £15.00p OR £15.0000	to 2
		e answer is incorrect, award ONE mark for evidence of appropriate working, 40 - (3 + 5 + 4 + 7 + 6) = wrong answer	
		Calculation must be performed for the award of ONE mark.	
		Accept £1500p OR £1500 as evidence of appropriate working for ONE mark.	[0]
			[2]
22			1
23.	(a)		1
		Laura £17.10	
		Accept £17.10p OR £17 10 OR £17 10p OR 1710p written outside the box.	
		Do not accept £1710 OR £1710p OR £17.1	
	(b)		1
		Carl £10.50	
		The above guidance on notation applies also to this mark.	
		The above guidance on notation applies also to this mark.	[2]
24.	(a)	£64.30	1m
		Accept £64.30p OR £64 30	
		Do not accept £6430 OR £6430p OR £64.3	
	(b)	£4.50	1m
		Accept £4.50p OR £4 50	
		Do not accept £450 OR £450p OR £4.5	
		If the final '0' is missing from both answers, ie answers given are £64.3 and £4.5 respectively, award ONE mark only in (b).	
			[2]
25.	(a)	Award TWO marks for the correct answer of £21.80Up toAccept £21.80p OR £21.80	o 2m
		If the answer is incorrect, award ONE mark for evidence of appropriate workin	ig, eg
		$3.50 \times 4 = 14.00$	
		$1.95 \times 4 = 7.80$	
		14.00 + 7.80 = wrong answer	
		Accept for ONE mark £2180p OR £2180 OR £21.8 as evidence of appropriate working.	
		Calculation must be performed for the award of ONE mark.	
	(b)	An explanation which recognises that each square slab costs more than half a rectangular slab or equivalent, eg	1m
		 'Half of £3.50 is £1.75, which is less than £1.95'; 	

'Two square slabs cost more than one rectangular slab'; 'Because 12 squares cost £23.40'; • 'Because it would cost £1.60 more'. **Do not** accept vague or arbitrary explanations, eg • 'Because he would need more slabs': • 'Because square slabs are cheaper than rectangular slabs'; 'Because it costs more'; 'He is right because the square slabs are £1.95 each and the . rectangular slabs are £3.50 each'. [3] Answer in the range 44p to 46p inclusive. 1m (a) (b) 20p 1m Accept £0.20p **OR** £0 20 Do not accept 0.20p OR £20p [2] £249.75 1m (a) Accept £249.75p OR £249 75 **Do not** accept £24975p **OR** £24975 Award TWO marks for the correct answer of 82 (b) Up to 2m If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, eg $1230 \div 15$ OR $12.30 \div 0.15$ Accept for **ONE** mark £82 **OR** 82p as evidence of an appropriate method. Do not accept 12.30 - 15 as evidence of an appropriate method. Answer need not be obtained for the award of the mark. [1] 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 $195 + 38 + (70 \times 2) = 373$ 373 - 300Accept for **ONE** mark £73p **OR** 0.73p **OR** £73 as evidence of appropriate method. Answer need not be obtained for the award of ONE mark.

29. An explanation that recognises that Asim paid 20p more than Mike, eg 'Asim paid £3.60 and Mike paid £3.40 so Asim paid 20p more'; U1

- 'Asim paid only 20p more for 3 lots of 4 cans';
- £3.60 is 20p more than £3.40, not 50p';
- 'Mike paid 20p less than Asim'.

OR

26.

27.

28.

An explanation that recognises that Asim paid £3.60 and Mike paid £3.40,

eg

- 'Asim paid £3.60 and Mike paid £3.40';
- 'Because 50p more would mean that Asim spent £3.90 but he spent £3.60';
- '£3.60 is not 50p more than £3.40'.

Award the mark if either NO is circled **OR** if neither 'Yes' or 'No' is circled, provided a correct unambiguous explanation is given.

Do not award the mark for circling 'No' alone.

Do not accept an explanation which makes comparisons between incorrect amounts of money, eg

- 'Asim's only cost him £3.40 and Mike's cost him £3.80';
- 'Because 2 × £1.70 = £2.40 and 3 × £1.20 = £3.60 and £3.60 is 120p more than £2.40 not 50p more than £2.40'.

Do not accept an explanation which makes comparisons between the price of one of each pack, eg

Because 4 cans cost £1.20 and 6 cans cost £1.70 so take the cost of £1.20 − £1.70 = 50p'.

Do not accept an explanation which is vague or ambiguous or merely restates the question, eg

- 'I know that Mike must be wrong because Mike's costs a lot more than 50p more';
- 'I know Mike paid 50p more'.

30. £11.25

31.	(a)	£200 1 m					
	(b)	Award TWO marks for the correct answer of 37p OR £0.37 Up to 2 marks					
		OR					
		for finding the correct difference between $\pounds 199.63$ and the answer given for 13a					
		Answer to (a) must be a multiple of ± 10 for the award of TWO follow-through marks.					
		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 (a).					
		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.	[3]				

32. (a) £2.86 1 m
(b) Award TWO marks for the correct answer of £2.02 OR 202p Up to 2 marks

[1]

[1]

1

	If the answer is incorrect, award ONE mark for evidence of appropriate working, eg					
		4.69 + 3.29	9 = 7.98			
		10 – 7.98 =	= wrong answer			
			Accept for ONE mark £202p OR £202 OR 2.02p as appropriate working	evidence of		
			Calculation must be performed for the award of ON	' E mark	[3]	
33.	(a)	£14.40		1		
			Do not accept £14.4			
	(b)	20		1		
			Do not accept £20		[2]	
34.	Awa	rd TWO ma	rks for the correct answer of 20	Up to 2m U2		
	If the	e answer is in	ncorrect, award ONE mark for evidence of appropriate	e method, eg		
	• $30 \times \pounds 5 = \pounds 150$					
		$150 - \pounds 110 =$ $40 \div \pounds 2 = 20$				
			3 each, with £20 left over			
		$110 \div 50 = 2$ $20 \div \pounds 2 = 10$				
	3	0 - 10 = 20				
	OR					
	a tria	al and improv	vement method, eg			
	-	$0 \times \text{\pounds}3$		=£90		
		$\begin{array}{rrrr} 0 \times \pounds 3 &+ & 20 \\ 5 \times \pounds 3 &+ & 15 \end{array}$		$= \pounds 130$ $= \pounds 120$		
	1		dculation must be performed for the award of ONE n			
			A 'trial and improvement' method must show evider improvement, but a final answer need not be reached	nce of		
			award of ONE mark.		[2]	
					r _1	
35.	(a)	£1.50		1m		
	(b)	Award TW	VO marks for the correct answer of 250	Up to 2m		
			ver is incorrect, award ONE mark for evidence of e method, eg			
		. 200.0	0 1			

• $360 \div 90 = 4$

• 1000 ÷ 4 Answer need not be obtained for the award of **ONE** mark.

[3]

Up to 2

36. Award **TWO** marks for the correct answer of \pounds 74

Accept for **TWO** marks £74.00 **OR** £74.00p **OR** £74 00 **OR**

£74 00p

If the answer is incorrect, award **ONE** mark for evidence of appropriate working which involves a complete and correct method, eg

 $50p \times 100 = 5000p = \pounds 50$ $30p \times 80 = 2400p = \pounds 24$ $\pounds 50 + \pounds 24 = wrong answer$

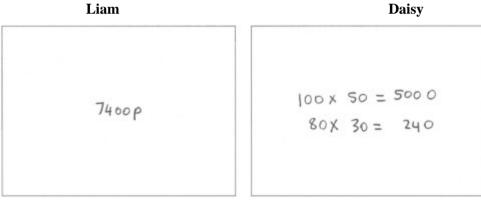
OR

Award **ONE** mark for £7400p **OR** £7400 **OR** £7.40 **OR** £7.40p **OR** £740p as evidence of appropriate working.

An answer must be given for the award of **ONE** mark.

Examples of responses

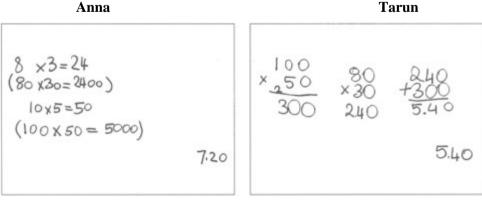
Although Liam has not shown any working, we can assume from his answer of $\pounds7400p$ that he has used a complete and correct method, even though he made an error with the notation of the units. Liam can be awarded the mark. Daisy has calculated the cost for both the adults and the children but has not recorded a complete method since she has not totalled the two amounts. Since she has provided no evidence of her intended answer, her method is not complete. Daisy cannot be awarded the mark.



1 mark

0 marks

Anna has recognised the need to multiply 30p by 80 and 50p by 100, to find the total of these, and to convert pence to pounds and pence. She made an error in totalling the amounts but her understanding of place value was sound. Anna can be awarded the mark. Her method is complete and correct. Tarun also has recognised the need to carry out the same operations but cannot be awarded the mark since his error is in a misunderstanding of place value. He has omitted the final zero when multiplying by 50 and 30. Although his method is complete, it is not correct. Tarun cannot be awarded the mark.

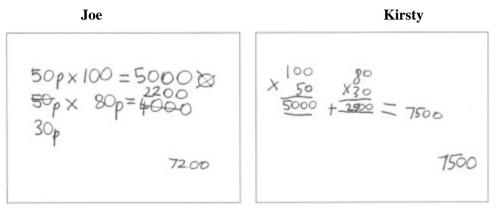


1 mark



[2]

Joe's working shows evidence that he understood the steps he needed to take to find the answer. Although he made an error in calculating 8 multiplied by 3 as 22, his knowledge of place value was secure and he correctly converted pence to pounds and pence. His method is complete and correct. Joe can be awarded the mark. Kirsty's method and error in multiplying 8 by 3 are similar to Joe's but she has failed to convert the number of pence to pounds and pence. Her method is not complete or correct. Kirsty cannot be awarded the mark.



1 mark

0 marks

37. (a) Award **TWO** marks for correct answer as shown:

2		bags of green apples
3		bags of
		red apples
D (1	1	. 1

Both numbers must be correct for the award of the marks.

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

Listing of cost of apples:

90
180
270

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

- (b) An explanation that shows how it is possible to buy more apples but spend less money, eg
 - 'Nika buys 2 bags of red apples, giving 20 apples for £1.80, and Hassan buys 3 bags of green apples, giving 18 apples for £2.25'.

Do not accept vague or arbitrary explanations, eg

- 'She got bigger bags than he did';
- She bought a lot of small ones'.

Ignore slight errors in arithmetic that do not contradict the explanation.

 38. (a) Award TWO marks for a correct answer of £2.10 Accept £2.10p OR £2 10 OR £2 10p Do not accept for TWO marks £210 OR incorrect representations of money values, eg £2.1 OR £210p

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

Up to 2m

1m

Up to 2

[3]

Calculation need not be performed for the award of the mark, but a complete method must be apparent.

	50 - (12.75	$5 \times 3 + 9.65)$
		Accept £2.1 OR £210 OR £210p as evidence of an appropriate method for ONE mark.
(b)	6	Do not accept non-integer answers such as 6.8

[3]

1

1

1

39. Award **TWO** marks for the correct answer of 25p **OR** £0.25 **OR** 25 pence. up to 2 If the answer is incorrect, award **ONE** mark for evidence of appropriate working,

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eg 600 \div 24 = wrong answer.
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Accept £0 25 **OR** £0.25p **OR** £0 25p **OR** 25 **OR** 0.25 **OR** £0-25. Calculation must be performed for the award of **ONE** mark.

[2]

[3]

40. (a) £6331.90 Accept £6331.90p **OR** £6331.90 1 **Do not** accept £6331.9

(b) Award **TWO** marks for the correct answer of 943. up to 2

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, eg $61295 \div 65$ **OR** $612.95 \div 0.65$

Do not accept 612.95 ÷ 65. Calculation need not be performed for the award of the mark.

41.	(a)	35p	Answer to 17a may be embedded in answer to 17b.	1
			In this case, award one mark for correct answer.	

- (b) Explanation which includes reference to any appropriate method even if the answer is incorrect, eg:
 - I took 90 from 145 and took my answer from 90.
 - If a drink and popcorn costs 90p you add to it however much it takes to make 145, which is 55p so you times 55 by 2 which is 110 and take away 145 and you get 45 (incorrect answer).
 - OR

a trial and improvement approach, eg:

• I thought they might both cost 45p. I guessed the drink and doubled it to make 90p, then added another 45 but I got 10 less than £1.45. So I tried 55 and it worked so the popcorn is 35.

Accept appropriate numerical working elsewhere on page as adequate explanation. If there is no working and no explanation, there is no mark for 17b, even if 17a is correct.

If answer to 17a is correct, accept appropriate non-numerical answer to 17b, (ie no reference to actual amounts of money).

42. (a) 29

[2]

(b) Award **TWO** marks for £7.52 with appropriate working (see below),

even if there is an error in the working.

up to 2

If answer is incorrect, award **ONE** mark for use of an appropriate method and a partially correct computation, eg:

- $7 \times 48 + 8 \times 52 = 336 + 406$ (incorrect second part)
- $7(48 + 52) + 52 = 7 \times 100 + 52 = 742$ (incorrect)
- $7 \times 40 + 7 \times 8 + 8 \times 50 + 8 \times 2 = 7 \times 47 \times 16 \times 58 \times 2$ (incorrect)

Accept £7.52 **OR** £7 52p **OR** £7 52 **OR** answers in words **OR** combination of numbers and words.

Mark can **only** be awarded for evidence of calculation taking place. It cannot be awarded if the expression is set out but partially correct computation is **not** in evidence.