



Free-Standing Mathematics Qualification

Managing Money *6981/2*

Mark Scheme

2006 examination – June series

Mark schemes are prepared by the Principal Examiner and considered, together with the relevant questions, by a panel of subject teachers. This mark scheme includes any amendments made at the standardisation meeting attended by all examiners and is the scheme which was used by them in this examination. The standardisation meeting ensures that the mark scheme covers the candidates' responses to questions and that every examiner understands and applies it in the same correct way. As preparation for the standardisation meeting each examiner analyses a number of candidates' scripts: alternative answers not already covered by the mark scheme are discussed at the meeting and legislated for. If, after this meeting, examiners encounter unusual answers which have not been discussed at the meeting they are required to refer these to the Principal Examiner.

It must be stressed that a mark scheme is a working document, in many cases further developed and expanded on the basis of candidates' reactions to a particular paper. Assumptions about future mark schemes on the basis of one year's document should be avoided; whilst the guiding principles of assessment remain constant, details will change, depending on the content of a particular examination paper.

Key to mark scheme and abbreviations used in marking

M	mark is for method		
m or dM	mark is dependent on one or more M marks and is for method		
A	mark is dependent on M or m marks and is for accuracy		
B	mark is independent of M or m marks and is for method and accuracy		
E	mark is for explanation		
✓ or ft or F	follow through from previous incorrect result	MC	mis-copy
CAO	correct answer only	MR	mis-read
CSO	correct solution only	RA	required accuracy
AWFW	anything which falls within	FW	further work
AWRT	anything which rounds to	ISW	ignore subsequent work
ACF	any correct form	FIW	from incorrect work
AG	answer given	BOD	given benefit of doubt
SC	special case	WR	work replaced by candidate
OE	OE	FB	formulae book
A2,1	2 or 1 (or 0) accuracy marks	NOS	not on scheme
-x EE	deduct x marks for each error	G	graph
NMS	no method shown	c	candidate
PI	possibly implied	sf	significant figure(s)
SCA	substantially correct approach	dp	decimal place(s)

Application of Mark Scheme

No method shown:

Correct answer without working
Incorrect answer without working

mark as in scheme
zero marks unless specified otherwise

More than one method / choice of solution:

2 or more complete attempts, neither/none crossed out

mark both/all fully and award the mean
mark rounded down

1 complete and 1 partial attempt, neither crossed out

award credit for the complete solution only

Crossed out work

do not mark unless it has not been replaced

Alternative solution using a correct or partially correct method

award method and accuracy marks as
appropriate

Free-Standing Mathematics Qualification
Foundation Level – Managing Money (6981/2)
Answers and Marking Scheme

Question 1

(a)	Discount is £2	B1	
(b)	Number of trays is $\frac{£5.60}{£1.40}$ = 4 No of plants is 48	M1 A1 A1	
(c)	Discount is $\frac{1}{3} \times £24$ = £8.00 Price paid is £16.00	M1 A1 A1	Or $\frac{2}{3} \times £24$ M1 = £16 A2
	TOTAL	7	

Question 2

(a)	Change was £60 - £42.71 = £17.29	M1 A1	
(b)	Notes £10, £5 Coins £2, 20p, 5p, 2p, 2p.	B1 ft B1 ft	
	TOTAL	4	

Question 3

	Discount is $\frac{40}{100} \times £24.80$ = £9.92 Price is £14.88	M1 A1 A1	$\frac{60}{100} \times £24.80$ M1 =£14.88 A2
	TOTAL	3	

Question 4

(a)	£600	B1	
(b)	£580	B1	
	TOTAL	2	

Question 5

PRODUCT DESCRIPTION	CODE	QUANTITY	UNIT PRICE	TOTAL PRICE
Giant outdoor chess set	BPTG 26	1	49.95	49.95
Giant noughts and crosses	BPTG 39	1	19.95	19.95
Quoits set	BPTG 24	3	19.95	59.85

<p>*Packaging, carriage and insurance :</p> <p>orders up to £30 in value £3.90</p> <p>orders between £31 and £100 in value £11.00</p> <p>orders between £101 and £200 in value £20.00</p> <p>orders between £201 and £300 in value £30.00</p> <p>orders over £301 in value £40.00</p>	Sub-Total	£129.75
	Packaging, Carriage and Insurance	£ 20.00
	TOTAL DUE	£149.75 ft

		B1	Codes correct
		B1	Total prices
		B1	Sub-total
			ft at least 2 correct
		B1	Packaging, carriage and insurance
		B1	Total due ft (at least 1 of sub total and packaging correct)
			SC2 for any amount other than 1, 1, 3 items (if correct)
	TOTAL	5	

Question 6

(a)	12 are not black $\frac{12}{20}$ $\frac{3}{5}$	B1 M1 A1	SC1 $\frac{8}{20}$ SC2 $\frac{2}{5}$
(b)	60%	B1 ft	
	TOTAL	4	

Question 7

	Total 5 parts Number = $\frac{4}{5} \times 15$ = 12	B1 M1 A1	SC2 3 or 3 and 12
	TOTAL	3	

Question 8

	A	B	C	D	E	
1	Album	High street cost (£)	Internet cost (£)	Saving (£)	Saving as a percentage of high street price	
2	<i>So Called Chaos</i> Alanis Morissette	14.99	8.99	6.00	40	(40.03)
3	<i>Live at Wembley</i> Beyonce	13.99	9.99	4.00	29	(28.59)
4	<i>Anastacia</i> Anastacia	11.99	8.99	3.00	25	(25.02)
5	<i>Under My Skin</i> Avril Lavigne	9.99	8.99	1.00	10	Delete 1 for consistent dp error

(a)		B1	Column D
		M1 A1	Any in E (other than 10)
		A1	All correct and to nearest integer
(b)	B5 – C5	B1	
	TOTAL	5	

Question 9

	Cost = $\frac{400}{60}$	B1	400 or 60 condone loss of millions
		M1	Division (needs two approximations 400 and 60 or 390 and 60)
	= £ 6.67 or £6.50 or £7 (need working seen for any mark)	A1	
	TOTAL	3	Condone £6.66, £6.70 [B1, M1 for £7 million etc.]

Question 10

	Starting value (£)	Interest (£)	Final value (£)
First 2 months	2000.00	6.20	2006.20
Second 2 months	2006.20	6.22	2012.42
Third 2 months	2012.42	6.24	2018.66

	$2006.20 \times \frac{0.31}{100} = 6.22$	M1	
	2012.42	A1	SC1 2012.41 no working
	$2012.42 \times \frac{0.31}{100} = 6.24$	M1	
	2018.66	A1	CAO + another SC1 2018.64 or 65 no working
	TOTAL	4	
	GRAND TOTAL	40	