



Free-Standing Mathematics Qualification

Managing Money **6981/2**
Foundation Level

Mark Scheme

2008 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.

Further copies of this Mark Scheme are available to download from the AQA Website: www.aqa.org.uk

Copyright © 2008 AQA and its licensors. All rights reserved.

COPYRIGHT

AQA retains the copyright on all its publications. However, registered centres for AQA are permitted to copy material from this booklet for their own internal use, with the following important exception: AQA cannot give permission to centres to photocopy any material that is acknowledged to a third party even for internal use within the centre.

Set and published by the Assessment and Qualifications Alliance.

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	or equivalent	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)

No Method Shown

Where the question specifically requires a particular method to be used, we must usually see evidence of use of this method for any marks to be awarded. However, there are situations in some units where part marks would be appropriate, particularly when similar techniques are involved. Your Principal Examiner will alert you to these and details will be provided on the mark scheme.

Where the answer can be reasonably obtained without showing working and it is very unlikely that the correct answer can be obtained by using an incorrect method, we must award **full marks**. However, the obvious penalty to candidates showing no working is that incorrect answers, however close, earn **no marks**.

Where a question asks the candidate to state or write down a result, no method need be shown for full marks.

Where the permitted calculator has functions which reasonably allow the solution of the question directly, the correct answer without working earns **full marks**, unless it is given to less than the degree of accuracy accepted in the mark scheme, when it gains **no marks**.

Otherwise we require evidence of a correct method for any marks to be awarded.

Free-Standing Mathematics Qualification
Managing Money (6981/2)
Answers and Marking Scheme - June 2008

Question 1

(a)	£4.50	B1	
(b)	$\pounds \frac{4.40}{8}$ = 55p	M1 A1	Condone £0.55
(c)	Reduction is $\pounds \frac{27}{6}$ = £4.50 Cost is £22.50	M1 A1 A1	Or $27 \times \frac{5}{6}$ M1 = £22.50 A2
(d)	Discount is $\frac{27}{100} \times \pounds 8.60$ = £2.32 Cost is £6.28	M1 A1 A1	OR Price is $\frac{73}{100} \times \pounds 8.60$ M1 = £6.278 A1 = £6.28 A1
	TOTAL	9	

Question 2

	There are 5 parts Lisa has $\frac{4}{5} \times 60$ = 48	B1 M1 A1	SC2 12 and 48 or 12
	TOTAL	3	

Question 3

	Reduction is £1.50 Percentage reduction is $\frac{1.50}{2.49} \times 100$ = 60.24 = 60%	B1 M1 A1	40% SC2
	TOTAL	3	

Question 4

(a)	Change is £60 – £41.62 = £18.38	M1 A1	Accept 20 – 1.62
(b)	Notes: £10, £5 Coins: £2, £1, 20p, 10p, 5p, 2p, 1p	B1 B1	
	TOTAL	4	

Question 5

	Number of hours worked is $7\frac{1}{2}$ hours Pay is £6.20 × 7.5 =£ 46.50	M1 M1 A1	SC2 $7.3 \times 6.20 =$ £45.26 SC2 $8\frac{1}{2} \times 6.20 =$ £52.70 SC1 $8.3 \times 6.20 =$ =£51.46
	TOTAL	3	

Question 6

	A	B	C	D
1	Pack	Number of plants	Cost of the pack (pence)	Cost per plant (pence)
2	Small	6	149	24.8
3	Standard	9	175	19.4
4	Large	12	229	19.1
5	Giant	24	399	16.6

(a)	Column C Any in column D All correct in column D Cost to 1dp	B1 M1A1 A1 B1	E.g.: 24.833. etc SC1 consistent dp error Ft
(b)	Giant	B1	
(c)	Do not want so many plants Only a small garden	B1	
	TOTAL	7	

Question 7

	Scales and labels; and equal widths Heights	B1 B2	B1 4 correct
	TOTAL	3	

Heights if 0, 2, 4, 6, ... used within 1 square
0, 4, 8, 12 ... used within ½ square

Start at 6, then 7, 8, ... max B1 for question

Question 8

PRODUCT DESCRIPTION	CODE	QUANTITY	UNIT PRICE (£)	TOTAL PRICE (£)
Radio Controlled Wall Clock	D 1760	1	19.99	19.99
Chocolate Fondue Fountain	GF 736	3	29.99	89.97
Windproof Umbrella	GF 567	2	14.99	29.98
			Sub-Total	£139.94
Add £3-95 for Postage and Packing			Post & Packing	£3.95
			TOTAL DUE	£143.89

	Item code Total price column (only 3 correct totals) Sub – Total Post and Packing and TOTAL DUE	B1 B1 B1 B1	ft one incorrect ft
	TOTAL	4	

Question 9

	Starting value (£)	Interest (£)	Final value (£)
First 3 months	2000.00	18.20	2018.20
Second 3 months	2018.20	18.37	2036.57
Third 3 months	2036.57	18.53	2055.10

	Second three months, $2018.20 \times \frac{0.91}{100}$ = £18.3656... Total is £2036.57	M1 A1	
	Third three months, $2036.57 \times \frac{0.91}{100}$ = £18.53269... Total is £2055.10	M1 A1	
	TOTAL	4	
	TOTAL MARK FOR PAPER	40	