Mark Scheme (Results)

Summer 2008

Functional Skills Maths Level 1(FM101/01)

No			Answer	Mark	Notes
1.	(a)		N Djokovic	1	B1 condone misspelling or missing initial
	(b)		4	1	B1 cao
	(c)	79 – 65 =	14	1	B1 cao
	(d)	20 × 3 = 60	J Ferrero	1	B1 condone misspelling or missing initial
	(e)	Eg Males more, females less	(Males) more (aces)	1	B1 oe
2.	(a)		467000	1	B1 cao
	(b)	467195-447126	20065	1	B1 cao
3.	(a)		£42	1	B1 cao
	(b)		£54	1	B1 cao
	(c)	£36 - £27	£9	1	B1 cao
	(d)	2 × 36 = 72; 2 × 45 = 90 72 + 90 = 162; 200 – 162 =	£38	2	M1 for the complete process of 2×36, 2×45 then add, and subtract total from 200 A1 cao
4.	(a)	700,000 + 327,500 =	1,027,500	1	B1 cao
	(b)	"1027500" – (655000 + 327 000) = "1027500" – 982000	45,500	1	B1 cao or ft "10027500" – 982000
5.	(a)		7	1	B1 cao
	(b)	R Gasquet R Nadal R Nadal	As opposite.	1	B1 cao Accept misspellings if unambiguous, or missing initials
	(c)		Reasoning	1	B1 Reasoning: eg other factors involved, probability only an estimate, the outcomes are not equally likely, tennis a game of skills, etc.
6.	(a)	50 × 5 =	250 ml	1	B1 cao
	(b)	600 ÷ 6 = 100; × 5 = 500 OR 600 × 5 ÷ 6 etc.	100 ml 500 ml	2	M1 for process of ÷6 or × 5 or 2 × 250 or 100 seen (implied process) A1 for 100 & 500 SC Award B1 if 100, 500 wrong way around, or if one answer given correctly (implied process)

	No		Answer	Mark	Notes
7.	(a)		London	1	B1 for London (West End)
	(b)	807 – 97	710	2	M1 process of identification of 807, 97 with link ie subtraction or "to" A1 710 cao
	(c)	210 × 100	£21000	1	B1 cao
	(d)	12 × 30 = 360; 360 × 97=	£34920	2	M1 process of finding area: 12×30 or ×97 or sight of 360 A1 cao
8.	(a)	8 × 12	96	1	B1 cao
	(b)	345 ÷ 12 (28.75); round down	28	2	M1 process of 345 ÷ 12 or process shown to find how many 12s there are in 345 (or implied by answer of 28.75, 29) A1 cao
9.		160 ÷ 20 = 8 80 ÷ 20 = 4	Rectangle 8 by 4	2	M1 process of scaling: sight of ÷20 or implied by one correct length A1 Rectangle of size 8 by 4, any orientation
10.	(a)		20%	1	B1 cao
	(b)	0815 to 1600 = 7 ¾ h	7 h 45 min	1	B1 Accept 7 ¾ h 0 min; do NOT accept 7.75h or 7.45 h
11.	(a)	900 ÷ 1000 =	0.9 m	1	B1 cao
	(b)	Length: 2 + "0.9" + 2 + "0.9" + 2 = 7.8 Width: 1 + "0.9" + 1 = 2.9	Length 7.8 m Width 2.9 m	3	M1 process of showing a combination of at least one 2 and one "0.9" M1 process of showing the correct number of 1s and "0.9"s for the width A1 cao SC: Award B2 for one answer correct
12.	(a)		80%	1	B1 cao
	(b)		10%	1	B1 cao
	(c)		Field staff % less	1	B1 Makes a valid comparison between the charts.

No			Answer	Mark	Notes
13.	(a)	01032, 01304, 01352, 01406, 01573	01032, 01304, 01352, 01406, 01573	1	B1 cao
	(b)		£0.70	1	B1 Accept £0.70p, and accept 70p if the £ sign is crossed out.
	(c)	(2.30+1.20+3.25+0.70+2.30)÷5=9.75÷5=	£1.95	2	M1 process of adding amounts and ÷5 A1 cao
	(d)		£2.30	1	B1 cao
14.	(a)		Start 11(am) Finish 3 30(pm)	2	B1 cao (for one) B1 cao (for second)
	(b)		6 ½ hours	2	M1 for the process of finding the differences in times; evidence of both parts required eg 11 to 2 and 3 30 to 7 OR calculation of the first part of the time as 3 hours, or the second part as 3 ½ hours. A1 for 6 ½ , 6.5, but not 6.50 SC Award 1 mark for 6 30 or 0630 etc. as implied evidence of process.
	(c)		Start 2(pm) Finish 5 30 (pm)	2	M1 process of identifying the times eg notes on diagrams, or one time given correctly (implied process) A1 cao NB: throughout this question accept 24h times instead of 12 h times; condone missing am/pm.
15.	(a)	5 ½ × 6 × £6.20	£204.60	2	M1 for the process of substitution with operators shown. Do not accept 5:30 for 5½ A1 cao £204.6 gets M1 A0
	(b)	£6.20 ÷ 2 = £3./10, £6.20 + £3.10 =	£9.30	1	B1 cao
	(c)	£90 ÷ 5 × 4 =	£72	2	M1 for the complete process of ÷5. ×4. A1 cao NB: in this question penalise incorrect money notation once only (eg £204.6, £9.3 M1A0B1)

No		Answer	Mark	Notes
16.	(a)	One line drawn	1	B1 cao Solid or dashed lines.
	(b)	7 cm	1	B1 cao ± 2 mm
	(c)	45°	1	B1 cao ±2°
	(d)	Diagram	1	B1 Accept