### **MATHEMATICS**

### **SAMPLE FINAL TEST**

 $(1\frac{1}{4} \text{ hours})$ 

### **N.B.** Calculators are allowed.

The acceptable answers are listed below.

No part marks should be awarded.

c.a.o. means the "correct answers only" is acceptable.

f.t. means "follow through".

TOTAL MARKS 63 Assessment Objectives

1.	Possible answers:		
	$5 \times 6$ , $6 \times 5$ , $3 \times 10$ , $10 \times 3$ , $1 \times 30$ , $30 \times 1$		
	All 4 correct - 3 marks		
	2 or 3 correct - 2 marks		
	1 correct - 1 mark		
2.	(a) (£) 63.13 c.a.o.		
	(b) (£) 220.05 (1 mark for 220; 1 mark for .05)		
	(c) (£) 4037.10 c.a.o.		
3.	(a) (i) C		

2	3	4
3		
1		
2		
1		
1		
1		
1		
1		
1		
1		
1		
1		
1		

5. (£) 25.98 c.a.o.

(b)

(a)

(b)

(c)

4.

(£) 34.95 c.a.o.

(ii) B

(£) 60.93 or follow through on their answers

£80 or their (a) (ii) - (a) (i)

2, 5 and 9 c.a.o.

1, 2, 4 and 9 c.a.o.

1, 5 and 9 c.a.o.

# Assessment Objectives

1

1

1

1

1

1

			2	3	4
6.	(a)	260 c.a.o.	1		
	(b)	52 (allow 51-53)	1		
7.	(a)	8 c.a.o.	1		
	(b)	40 c.a.o.	1		
0					
8.	(a)	6 c.a.o.	1		
	(b)	5 c.a.o.	1		
	(c)	30 c.a.o.	1		
9.	(a)	9 c.a.o.	1		
	(b)	7 c.a.o.	1		
	(c)	6.2 c.a.o.	1		
	(d)	9 c.a.o.	1		
	,				
			27		
10.	(a)	Paula, John and David or John, Sarah and Ann		1	
10.					
	(b)	Paula, John, Sarah and Ann c.a.o.		1	
	(c)	David, John c.a.o.		1	
11.	A ar	nd E (one correct - 1 mark)		2	
12.	(a)	one line (b) none of symmetry			
	(c)	none (d) two lines of symmetry			

- (a) one line of symmetry 1 mark
- (b) and (c) no lines of symmetry 1 mark
- (d) one or two lines of symmetry
- 13. (a) Ventnor c.a.o.
  - (b) West c.a.o.
  - (c) North-east c.a.o.

## Assessment Objectives

			- Ot	Jecuv	CS
			2	3	4
14.	(a)	one c.a.o.		1	
	(b)	clockwise c.a.o.		1	
1.5	(2)	5 . 7 . 7 . 5		1	
15.	(a)	5 + 7 + 7 + 5		1	
		= 24  (cm)  c.a.o.		1	
	(b)	(i) 10 (cm <sup>2</sup> ) c.a.o.		1	
		(ii) 4+1+1+1+1+1+1+1+1+1+1		1	
		= 18 (cm) c.a.o.		1	
				18	
16.	(a)	Groups: EastEnders, Brookside, Coronation Street			3
		- 'SOAPS'			
		News aAt Ten, Nine O'Clock News, Newsweek - 'NEWS'			
		Pet Rescue, Animal Hospital - 'ANIMALS'			
		Groupings - 2 marks			
		Reasons - 1 mark			
17.	(a)	Steve c.a.o.			1
	(b)	72 (cm) c.a.o.			1
	(c)	78 (cm) c.a.o.			1
	(d)	Tom c.a.o.			1
	(e)	14 (cm) c.a.o.			1
18.	(a)	could happen			1
	(b)	will not happen (although answer may vary)			1
	(c)	will happen			1
	(d)	could happen			1
19.	Gwe	n (			2
	Mart	in O			
	Bob				
		All correct - 2 marks			
		1 or 2 correct -1 mark			
© C	IMT II	niversity of Exeter 3		1	1

### Assessment Objectives

20.

		Number of arms up		
		None	One	Two
	None		Е	В
Legs up	One	A, C	D, G	F
	Two			

All correct entries - 4 marks one error - 3 marks two errors - 2 marks three errors - 1 mark

2	3	4
		4
		18
27	18	18