

**MATHEMATICS****SAMPLE INTERMEDIATE TEST 3**

(40 minutes)

**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.




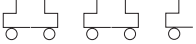
f.t. means "follow through".

**TOTAL MARKS 48**Assessment  
Objectives

	2	3	4
1. (a) £11.98 c.a.o.	1		
£32.97 c.a.o.	1		
£44.95 c.a.o.	1		
2. (a) 40% c.a.o.	1		
(b) Any 20 of the small squares shaded	1		
3. 30 (kg) c.a.o.	1		
4. (£) 10 c.a.o.	1		
5. (a) 17 c.a.o.	1		
(b) 77 c.a.o.	1		
6. (a) 26 c.a.o.	1		
'Goes up in 6s' or equivalent	1		
(b) 11 c.a.o.	1		
'Difference going up by 1' or equivalent	1		
7. Possible answers			
10 rows of 4 chairs			
8 rows of 5 chairs			
5 rows of 8 chairs			
2 rows of 20 chairs			
20 rows of 2 chairs			
(or even 1 row of 40 chairs			
40 rows of 1 chair)			
1 mark for each correct answer	2		

		Assessment Objectives	
8.	(a) $\boxed{4}\boxed{3}\boxed{7}$ c.a.o.	1	
	(b) $\boxed{4}\boxed{3}\boxed{7}\boxed{0}$ c.a.o.	1	
	(c) $\boxed{5}\boxed{4}\boxed{3}\boxed{\cdot}\boxed{7}$ c.a.o.	1	
9.	(a) (1, 3) c.a.o.	1	
	(b) R plotted correctly	1	
10.	(a) 12 c.a.o.	1	
	(b) 60 c.a.o.	1	
11.	1 mark for idea of division (or equivalent) (261 ÷ 49)	1	
	6 c.a.o.	1	
		24	
12.	(a) 18 (cm <sup>2</sup> ) c.a.o.		1
	16 (cm <sup>2</sup> ) c.a.o.		1
	(b) (i) 2 (cm) c.a.o.		1
	3 (cm) c.a.o.		1
	(ii) 20 (cm) c.a.o.		1
13.	(a) 2030 c.a.o.		1
	(b) 0520 c.a.o.		1
	(c) 0045 c.a.o.		1
14.	(a) 10 (minutes) c.a.o.		1
	(b) 30 (minutes) c.a.o.		1
	(c) 30 (minutes) c.a.o.		1
	(d) 9.45 or 'quarter to ten' or 2145		1
		12	

15. (a) B  
more RED balls in Bag B than in other two bags
- (b) C  
fewer BLUE balls in Bag C than in other two bags
- (c) C  
there are 4 (out of 8) GREEN balls in C

16. *Wed* |    
*Thurs* |    
*Fri* |    
*Sat* | 

17. 

B	N	F
N	B	F
N	F	B
F	B	N
F	N	B
- } 2 or 3 correct – 1 mark
- } 4 or 5 correct – 2 marks

Assessment Objectives

2	3	4
		1
		1
		1
		1
		1
		1
		1
		1
		1
		2
		12
24	12	12