



KULLEGG SAN BENEDITTU Secondary School, Kirkop

HALF YEARLY EXAMINATION – 2015/2016

Level CCP

YEAR 7

MATHEMATICS

Marking Scheme

Aids for Marking of Scripts

Types of Marks

- **M**(ethod) marks are awarded for knowing a correct method of solution and attempting to apply it. Method marks cannot be lost for arithmetic mistakes. They can only be awarded if the method used would have led to the correct answer had not an arithmetic mistake been made. In general a correct method is implied by a correct answer and therefore **when a correct answer is given and no work is shown, no method marks are lost**.
- **A**(ccuracy) marks are given for correct answer only (c.a.o.) Incorrect answers, even though nearly correct, score no marks. Accuracy marks are also awarded for incorrect answers which are correctly followed through (f.t.) from an incorrect previous answer, **provided that f.t. is indicated in the mark scheme**. No method (M) or accuracy (A) marks are awarded when a wrong method leads to a correct answer.
- **B** marks are accuracy marks awarded for specific results or statements independent of the method used.

Misreading

M marks can still be earned (unless that part of the question is trivialized) but the final A marks are lost.

Crossed out working

An answer or working that is crossed out and not replaced is marked as if it were not crossed out. If the answer or working is replaced, then the crossed out answer or working is ignored and should not be considered for marking.

Units

In general, missing or inaccurate units are not penalised unless otherwise indicated in the mark scheme.

Other

- Incorrect working or statements following a correct answer are ignored.
- Marks are not sub-divisible; no half marks may be awarded.
- Other abbreviations used:
 - o.e. (or equivalent)
 - e.e.o.o. (each error or omission)
- Markers are advised to indicate the M, A or B marks awarded in the body of the script and then write their total in the margin. The total mark for each question should be written in the table included at the top of page 1 of the main paper. This measure facilitates the moderation of papers.

NON CALCULATOR PAPER (Total: 25 marks)

Quest.		Requirements	Mark		Additional Guidance
1	a	12	B1	6	
	b	9	B1		
	c	valid attempt to add 28	M1 A1		
	d	valid attempt to subtract 11	M1 A1		
2	a	380	B1	3	
	b	valid attempt to multiply 48	M1 A1		
3		a	B1	1	
4	a	$\frac{1}{6}$	B1	4	
	b	three parts shaded	B1		
	c	division seen or implied 3	M1 A1		
5		20	B1	1	
6	a	valid attempt to add 39.3	M1 A1	4	
	b	valid attempt to subtract 25.2	M1 A1		
7	a	68	B1	2	
	b	18	B1		
8	a	2.20 + 3.40 €5.60	M1 A1	4	
	b	7.80 – 5.60 €2.20	M1 A1 (f.t.)		

MAIN PAPER (Total: 75 marks)

Quest.		Requirements	Mark		Additional Guidance
1	a	i) 79 ii) 248	B1 B1	5	
	b	correct matching	B3		B1 for each correct match
2	a	i) 60 ii) 30	B1 B1	4	
	b	5.04 125	B1 B1		
3	a	first number correct 49, 36, 28, 7	M1 A1	4	
	b	first number correct 4.3, 4.6, 5.8, 8.3	M1 A1		
4	a	i) 3, 19 ii) 10, 46	B1, B1 B1, B1	8	
	b	1, 2, 5, 10	B4		B1 for each correct factor
5	a	68	B1	3	
	b	45	B1		
	c	66	B1		
6	a	i) A = 8.7 B = 8.2 C = 7.1 D = 8.8 ii) correct markings	B1 B1 B1 B1 B2	8	B1 for each correct marking
	b	i) 10 ii) 2	B1 B1		
7	a	400 (o.e.)	B1	2	
	b	40 (o.e.)	B1		
8	a	valid attempt 5	M1 A1	8	
	b	i) valid attempt 4 parts shaded ii) valid attempt 10 iii) valid attempt $\frac{3}{5}$ (o.e.)	M1 A1 M1 A1 M1 A1		
9	a	correct matching	B3	5	B1 for each correct match
	b	4 angles marked	B2		B1 for at least one angle marked

10	a	valid attempt to add 13	M1 A1	6	
	b	Tuesday	B1		
	c	Thursday	B1		
	d	13 + 4 17	M1 A1 (f.t.)		
11	a	15	B1	5	
	b	5 15	M1 A1		
	c	20 – 15 5	M1 A1		
12	a	half turn	B1	2	
	b	whole turn	B1		
13	a	Basketball 4 Volleyball 3 Hockey 2 Total 15	M1 A1 M1 A1 M1 A1 A1	10	
	b	correct drawing	B3 ft		B1 for each bar
14	a	5 and 10	B2	5	
	b	20, 10 and 2	B3		