DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION

Curriculum Management and eLearning Department Educational Assessment Unit

End of Primary Benchmark - 2012

# MATHEMATICS MARKING SCHEME

#### **MENTAL PAPER**

# JCATION ICATION (1 mark each c.a.o.)

1.	9,436 or 9436 or 9436	2.	56 or fifty six
3.	180 or one hundred and eighty	4.	4 or four
5.	9 or $9.0$ or nine or nine point zero		
6.	30 or thirty	7.	3,200 or 3 200 or 3200 or three thousand two hundred
8.	22 or twenty two	9.	25 or twenty five
10.	3,500 or 3 500 or 3500 or three thousand five hundred	11.	10 or ten
12.	92 or ninety two	13.	5 or five
14.	36 or thirty six	15.	$\frac{1}{2}$ or one half
16.	200 or 190 or 220 or two hundred or one hundred ninety or two hundred twenty	17.	27 or twenty seven
18.	2 - 10 or two – ten	19.	SW or South West
20.	39.96 or thirty nine euro and ninety six cent		

## WRITTEN PAPER

	TTEN PAPERestion No.Answers and RequirementsMarksAdditional Guidancea)4001c.a.o.b)28751c.a.o.c)49001c.a.o.					
_	estion No.	Answers and Requirements	Marks	Additional Guidance		
	a)	400	1	c.a.o.		
	b)	2875	1	c.a.o.		
	c)	4900	1	c.a.o.		
	d)	653	1	c.a.o.		
	a) i	200 g	1	c.a.o.		
•	a) ii	5 ml	1	c.a.o.		
	a)iii	17 cm	1	c.a.o.		
	b)	14 cm	1	C.a.o.		
•	<u></u>	square numbers	1	c.a.o. (ignore any spelling mistakes)		
•	a) b)	mixed fractions	1	c.a.o. (ignore any spelling mistakes)		
	c)	multiples of 5	1	c.a.o. (ignore any spelling mistakes)		
	d)	even numbers	1	c.a.o. (ignore any spelling mistakes)		
	u)		1	c.u.o. (Ignore any spennig instakes)		
•	a)	$\frac{10}{25} \text{ or } \frac{2}{5}$	1	c.a.o.		
		or any other equivalent fraction				
	b)	$\frac{3}{5}$	1	c.a.o.		
	c)	$\frac{2}{5}$ of 100 seen or implied	1	Accept other valid methods		
		40 %	1	(f.t. from 4a)		
	a) i	$64 \div 8 = 8$	1	c.a.o.		
	a) ii	$42 \times 6 \times 3$	2	c.a.o.		
	b)	$27 \div 3 = 9$ or $9 \times 3 = 27$ or 9 is one third of 27 <b>Note:</b> one third of 27=9 (1 mark)	2	Accept other valid reasoning		
<u>.</u>	a)	1234	1	c.a.o.		
•	b)	$\frac{1}{5} = 0.2$ or $\frac{1}{2} = 0.5$	2	c.a.o.		
	2)	<b>Accept</b> $\frac{1}{5} = 0.20$ and $\frac{1}{2} = 0.50$				
	c)	$63 \times 72$	2	c.a.o.		
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′.	a)	90 %	1	c.a.o.		
	b)	50 % of 20 seen or implied 10	1	Accept other valid methods		
	c)	12 10 8 6 4 2 0 dog cat fish	1 1	for CAT bar for FISH bar (f.t. from 7b)		

			Additional Guidance	
Question No.	Answers and Requirements	Marks	Additional Guidance	
8. a)	3 kg 470 g	1	c.a.o.	
b)	Subt. seen or implied	1	Accept other valid methods	
	1 kg 30 g	1	(f.t. from 8a)	
c)	Subt. seen or implied 250 g	1 1	Accept other valid methods	
). a)	17	2	c.a.o.	
b)	12	2	c.a.o.	
c)	2	1	c.a.o.	
0. a)	€15 ÷ 6 seen or implied €2.50	1	Accept other valid methods	
b)	Addition / Mult. seen or implied	1	c.a.o.	
	€27.50	1	(f.t. from 10a)	
c)	8 e-books	1		
1. a) i.	Example			
a) ii.	Correct drawing of any right angled triangle on board	1	c.a.o.	
a)iii.	Correct drawing of any scalene triangle on board	1	c.a.o.	
b)	$180^{\circ} - 90^{\circ} \text{ (seen or implied)}$ Angle a = 45°	1 1	Accept other valid methods	
c)	The correct angle ticked (the 2nd)	1	c.a.o.	
2. a)	$22 \times 15$ mult. seen or implied 330 cm <sup>2</sup>	1	Accept other valid methods	
b) i.	$3 \text{cm} \times 3 \text{cm} = 9 \text{ cm}^2$	1	c.a.o.	
b) ii.	$54 \text{ cm}^2$	1	c.a.o.	
0 $11$ .	$276 \text{ cm}^2$			

		Additional Guida
Question No.Answers and Requirements	Marks	Additional Guida
13. a) 60 mm	1	c.a.o.
b) 95 - 10 seen or implied	1	c.a.o.
85 mm	1	,
c) 230 mm	1	C.d.O.
d) 231 mm seen or implied	1	Accept other valid methods
1 mm	1	
14. a) Subt. / Division seen or implied	1	Accept any other valid reasoning
10 glasses	1	
b) i No	1	c.a.o.
b) ii 60 glasses can be filled	1	Accept any other valid reasoning
c) $150 \text{ ml} \times 400 \text{ seen or implied}$	1	Accept any other valid method
60 litres	1	
15. a) Time marked correctly on clock	2	c.a.o.
b) Use of timeline / Addition seen or	1	Accept other valid methods
implied		
75 minutes	1	
c) Use of timeline / Addition seen or	1	Accept other valid methods
implied		
4:30 p.m.	1	
16.Any valid attempt	1,1	Accept other valid methods
multiples of 10 seen	1	
A = 70; B = 20; C = 40	1, 1, 1	

#### Legend to Marking Scheme:

**c.a.o.** correct answer only **f.t.** follow through

## Other guidelines:

- 1. No mark in the marking scheme is sub-divisible.
- 2. A correct answer scores full marks, even if no working is shown.
- 3. Incorrect answers even though nearly correct score no marks but marks are awarded for correct working.
- 4. Incorrect working or statement is ignored if followed by a correct answer.
- 5. An answer or working that is crossed out and not replaced, is marked as if it was not crossed out. If the answer or working is **replaced**, then the crossed out answer or working should **not** be considered in your marking.
- 6. If a correct answer is copied incorrectly from the working area to the answer area, then the marks are awarded fully.
- 7. In the case of misreading, f.t. may be applied and only the final accuracy mark is lost. The method marks may still be earned provided that the misreading doesn't oversimplify the question.