

DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION  
 Department of Curriculum Management  
 Educational Assessment Unit  
 End of Primary Benchmark – 2014 – SECOND SESSION

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MATHEMATICS MARKING SCHEME

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MENTAL PAPER

(1 mark each c.a.o.)

1.	cylinder
2.	620 or six hundred twenty
3.	scalene
4.	3900 or three thousand nine hundred
5.	6 or six
6.	4:30 or 04:30 or 16:30
7.	1690 or one thousand six hundred ninety
8.	21 or twenty one
9.	200 or two hundred
10.	$\frac{1}{4}$ or one fourth or one quarter (Accept also $\frac{2}{8}$ )
11.	0.6 or zero point six
12.	$\frac{3}{4}$ or three fourths or three quarters
13.	16
14.	$\frac{1}{3}$ or one third
15.	680 or six hundred eighty
16.	25 or twenty five
17.	5 or five
18.	2.08 kg or two point zero eight kilograms
19.	SE or South East
20.	2 or two (Accept also 2000 g)

## WRITTEN PAPER

Question No.	Answers and Requirements	Marks	Additional Guidance
1. a)	339	1	c.a.o.
b)	1211	1	c.a.o.
c)	600	1	c.a.o.
d)	24	1	c.a.o.
2. a) i.	3465	1	c.a.o.
a) ii.	4513 or 4531	1	c.a.o.
b)	0.53	1	c.a.o.
	5.3, 5.33, 53, 53.3	1	c.a.o.
3. a)	2.2 kg or 2.20 kg or 2.200 kg	1	c.a.o.
b) i.	Subtraction seen or implied 1 kg or 1.0 kg or 1.00 kg or 1.000 kg	1 1	Accept other valid methods c.a.o.
b) ii.	0.05 kg or 0.050 kg	1	c.a.o. (Do not accept 50 g as a correct answer)
4. i.	A = 18	1	c.a.o.
ii.	B = 2.83	1	c.a.o.
	C = Addition of B and 5.76 seen	1	Accept other valid methods
	8.59	1	(f.t. from the value given to B)
5. a)	3 minutes	1	c.a.o.
b)	81 ÷ 3 seen or implied	1	(f.t. from 5a)
	27 pages	1	Accept other valid methods
c)	234 minutes seen / multiplication seen or implied	1	(f.t. from 5a) Accept other valid methods
	3 hours 54 minutes	1	

Question No.	Answers and Requirements	Marks	Additional Guidance
6. a)	2.8 cm	1	c.a.o.
b)	Subtracting 5.4 from 13 seen or implied 7.6 cm	1 1	Accept other valid methods c.a.o.
c)	Subtraction of the <i>length of the key</i> from the <i>length of the pencil</i> seen or implied 50 mm	1 1	Accept other valid methods c.a.o.
7. b)	a clockwise turn from North to North East	1	c.a.o.
c)	a right angle	1	c.a.o.
d)	the angles on a straight line	1	c.a.o.
e)	$2\frac{1}{2}$ right angles	1	c.a.o.
f)	the angles around a point	1	Accept other valid answers
8. a)	$\frac{2}{5}$	2	c.a.o. (Award 1 mark if fraction is correct but not in its simplest form)
b)	$\frac{2}{5}$ of 100% seen 40%	1 1	Accept other valid methods c.a.o.
c)	10 more squares are shaded	1	c.a.o.
9. a)	Addition of sides seen or implied 50 m	1 1	Accept other valid attempts to work out the perimeter c.a.o.
b)	$(15 \times 14) + (5 \times 3)$ 225 m <sup>2</sup>	2 1	Accept other valid attempts to work out the area c.a.o.

Question No.	Answers and Requirements	Marks	Additional Guidance
10. a)	96 balls	1	c.a.o.
b) i.	Division of 480 tennis balls by the number of balls per box seen or implied 5 boxes	1 1	f.t. from 10a Accept other valid methods c.a.o.
b) ii.	$80 \times 5$ seen or implied 6 hours 40 minutes	1 1	Accept other valid methods c.a.o.
11. a)	18 °C	1	c.a.o.
b)	9 °C	1	c.a.o.
c)	11:00 and 16:00	1	c.a.o. (Award mark only if both answers are correct)
d)	6 °C	1	c.a.o.
e)	The temperature decreases (by 7 °C).	1	Accept any other valid explanation
12. a)	40 cm	1	c.a.o.
b)	$(16 + 16 + 8 + 8)$ or $(4 \times 12)$ 48 cm <sup>2</sup>	1 1	Accept other valid methods c.a.o.
c)	$8 \times 8$ seen or implied 4 more squares	1 1	Accept other valid attempts c.a.o.
13. a) i.	18 ℓ	1	c.a.o.
a) ii.	30 ℓ	1	c.a.o.
b) i.	1 km = 150 ml seen or implied 15 ℓ	1 1	Accept other valid attempts c.a.o.
b) ii.	3 ℓ = 20 km seen or implied 320 km	1 1	Accept other valid methods c.a.o.
14. a)	4 Sundays	2	c.a.o.
b)	20 days	2	c.a.o.
c)	Saturday	2	c.a.o.

Question No.	Answers and Requirements	Marks	Additional Guidance
15. a)	Offer B	1	c.a.o.
	In Offer B one pencil costs 15c, while in Offer A one pencil costs 17c.	1	Any valid reason
b)	(3 × 4) + (6 × 6) i.e. a total of 48 pencils seen or implied	2	Any other valid attempt
	3 boxes of 4 pencils	1	c.a.o.
	6 boxes of 6 pencils	1	c.a.o.
16. a)	23 × 15		Any other valid method
	345 people	1	c.a.o.
b)	(23 × 10) × 35	1	Any other valid method
	8050	1	
	(23 × 5) × 25	1	
	2875	1	
	€10925	1	

**Legend to Marking Scheme:**

c.a.o. correct answer only

f.t. follow through

**Other guidelines:**

- No mark in the marking scheme is sub-divisible.
- A correct answer scores full marks, even if no working is shown.
- Incorrect answers – even though nearly correct – score no marks but marks are awarded for correct working.
- No marks are awarded when a wrong method leads to a correct answer.
- Incorrect working or statement following a correct answer is ignored.
- 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.
- If a correct answer is copied incorrectly from the working area to the answer area, then the marks are awarded fully.
- 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.