DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION

Department of Curriculum Management

Educational Assessment Unit

End of Primary Benchmark – 2014

MATHEMATICS MARKING SCHEME

MENTAL PAPER   **(1 mark each c.a.o.)**

1.	6 or six
2.	140 or one hundred forty or one hundred and forty
3.	3·5 or three point five or three and a half or $3\frac{1}{2}$
4.	90 or ninety
5.	11:30 *am* ticked
6.	3200 or three thousand two hundred
7.	No
8.	48 or forty eight
9.	3 or three
10.	Accept any number from 650 to 749 (accept also if written in words)
11.	$\frac{4}{5}$ or four fifths
12.	80 or eighty
13.	30 or thirty
14.	Even
15.	70 or seventy
16.	55 or fifty five
17.	1200 or one thousand two hundred
18.	15 or fifteen
19.	135 or one hundred thirty five or one hundred and thirty five
20.	2 or two

WRITTEN PAPER

Question No.	Answers and Requirements	Marks	Additional Guidance
1. a)	1000	1	c.a.o.
b)	1903	1	c.a.o.
c)	144	1	c.a.o.
d)	5	1	c.a.o.
2.	430	1	c.a.o.
	430·5	1	c.a.o.
	43·05	1	c.a.o.
	×100	1	c.a.o.
3. a) i.	acute angle	1	c.a.o.
a) ii.	obtuse angle	1	c.a.o.
b) i.	60°	1	c.a.o.
b) ii.	85°	1	c.a.o.
4.	Net A – No (not ticked)	1	c.a.o.
	Net B – Yes (ticked)	1	c.a.o.
	Net C – No (not ticked)	1	c.a.o.
	Net D – Yes (ticked)	1	c.a.o.
5. a)	$\dfrac{60}{100}$	1	c.a.o.
	$\dfrac{6}{10}$	1	c.a.o.
	$\dfrac{3}{5}$	1	c.a.o.
	0·6 or 0·60	1	c.a.o.
b)	Any 6 squares are shaded	1	c.a.o.

Question No.		Answers and Requirements	Marks	Additional Guidance
6.		<u>72</u> is a common multiple of 9 and 8	1	c.a.o.
		<u>34</u> + <u>66</u> = 100 or <u>66</u> + <u>34</u> = 100	2	c.a.o.
		<u>45</u> + <u>53</u> – <u>32</u> = 66 or <u>53</u> + <u>45</u> – <u>32</u> = 66	2	c.a.o.
7.	a)	2·3	1	c.a.o.
	b)	115	1	c.a.o.
	c)	115	1	c.a.o.
	d)	1·15	1	c.a.o.
	e)	6	1	c.a.o.
8.	a)		1	c.a.o. (Award marks only if completely correct)

Shape number	1	2	3	4	5
Number of white tiles	8	12	16	20	24
Number of shaded tiles	1	4	9	16	25

Shape number	9
Number of white tiles	40
Number of shaded tiles	81

Question No.		Answers and Requirements	Marks	Additional Guidance
			2	c.a.o. (Award marks only if completely correct)
	b)	11	2	c.a.o. (If incorrect but valid working is seen, award 1 mark)
9.	a) i.	1·01 m	1	c.a.o.
	a) ii.	1001 m	1	c.a.o.
	b) i.	12·6 × 4 seen or implied 50·4 cm	1 1	Accept other valid methods c.a.o.
	b) ii.	168 mm	1	c.a.o.

Question No.	Answers and Requirements	Marks	Additional Guidance
10. *a)*	€6·10	1	c.a.o.
b)	246 ÷ 82 seen or implied	1	Accept other valid methods
	300 g	1	c.a.o.
c)	€1·44 seen or implied	1	Accept other valid methods
	3 cartons	1	c.a.o.
11. *a)*	500 votes	1	c.a.o.
b)	Subtraction seen or implied / 30% of 1250	1	Accept other valid methods
	375 votes	1	c.a.o.
c)	30%	1	c.a.o.
d)	Sue	1	c.a.o.
12. *a)*	24 burgers	1	c.a.o.
b)	Tuesday	1	c.a.o.
c)	6 burgers	1	c.a.o.
d)	7 full burgers drawn on pictograph	1	c.a.o.
e)	€126	1	c.a.o.
13. *a)*	(75 + 65 + 72 + 58 + 70) ÷ 5	1	seen or implied
	68 kg	1	c.a.o.
b) i.	75 + 4·5	1	seen or implied
	79·5 kg	1	c.a.o. (If answer is correct but given in grams or in kilograms and grams, award 1 mark in total)
b) ii.	(71 × 5) – (79·5 + 62 + 76·8 + 61·6)	1	Accept other valid attempts (f.t. from 13bi)
	75 kg 100 g	1	c.a.o.

Question No.	Answers and Requirements	Marks	Additional Guidance
14. *a)*	08:25 or 8:25	1	c.a.o.
b) i.	$\frac{6}{24}$	1	seen or implied
	$\frac{1}{4}$	1	c.a.o.
b) ii.	30 + 10 + 15 + 25 = 80 min	1	Accept other valid attempts
	Add 80 min/1 hour 20 min to 3:40 / 15:40	1	Accept other valid methods (including use of timeline)
	17:00	1	c.a.o. (If answer given is 5:00/05:00 award 2 marks in total)
15. *a)*	90 × 90	1	seen or implied
	8100 cm^2	1	c.a.o.
b) i.	4·25 × 4 = €17	1	seen or implied
	6·50 × 4 = €26	1	seen or implied
	€43	1	c.a.o.
b) ii.	No. It will cost €68, and therefore €25 more.	1	Accept other valid reasons
16. *a)*	6 routes	3	c.a.o. (Award 1 mark if answer is incorrect but a valid attempt is seen)
b)	7·66 km	3	c.a.o. (Award 1 mark if answer is incorrect but a valid attempt is seen)

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. No marks are awarded when a wrong method leads to a correct answer.

5. Incorrect working or statement following a correct answer is ignored.

6. 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.

7. If a correct answer is copied incorrectly from the working area to the answer area, then the marks are awarded fully.

8. 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.