

DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION
Department of Curriculum Management
Educational Assessment Unit
End of Primary Benchmark – 2016

MATHEMATICS MARKING SCHEME

MENTAL PAPER

(1 mark each c.a.o.)

1.	254
2.	17
3.	'false' ticked
4.	8
5.	6
6.	'even' ticked
7.	Accept any angle which is larger than 90°
8.	10
9.	Accept any equivalent fraction to $\frac{3}{4}$
10.	9.50
11.	10
12.	12
13.	700
14.	4 m
15.	20 minutes past 2 or 2:20 or 02:20 or 14:20
16.	10
17.	16
18.	10
19.	'5 minibuses' ticked
20.	Accept range from €200 to €220

WRITTEN PAPER

Question No.	Answers and Requirements	Marks	Additional Guidance
1. a)	470	1	c.a.o.
b)	3208	1	c.a.o.
c)	437	1	c.a.o.
d)	14	1	c.a.o.
2. a) i.	'cube' ticked	1	c.a.o.
ii.	'6' ticked	1	c.a.o.
iii.	'8' ticked	1	c.a.o.
b)	'sphere' ticked	1	c.a.o.
3. a)	South / S	1	c.a.o.
b)	West / W	1	c.a.o.
c)	North / N	1	c.a.o.
d)	North East / NE	1	c.a.o.
4.	1500 + 750 2250 2250 ÷ 10 225 packets	1 1 1 1	seen or implied seen seen or implied c.a.o.
5. a)	$\frac{1}{2}$ or any equivalent fraction	1	c.a.o.
b)	$\frac{3}{8}$ or any equivalent fraction	2	c.a.o.
c)	$\frac{1}{8}$ or any equivalent fraction	2	c.a.o.

Question No.	Answers and Requirements	Marks	Additional Guidance
6. a)	$45^\circ (\pm 2^\circ)$	1	c.a.o.
b)	100° is greater/larger/more than a right angle / 90°	1	c.a.o. (Accept any other reasonable explanations)
c) i.	'isosceles' underlined	1	c.a.o.
ii.	$65^\circ + 65^\circ = 130^\circ$ 50°	1 1	seen or implied c.a.o.
7. a)	6530	1	c.a.o.
b)	360	1	c.a.o.
c)	63	1	c.a.o.
d)	3650	2	c.a.o.
8. a)	cup – ml water tank – l saucepan – l tin of paint – ml	1 1 1 1	c.a.o. c.a.o. c.a.o. c.a.o.
b)	40 cups	1	c.a.o.
9. a)	correct time drawn on clock face	1	c.a.o.
b)	+ 45 minutes 16:10	1 1	seen or implied c.a.o.
c)	+ 1 hour 30 minutes / + 90 minutes 5:40 p.m.	1 1	seen or implied c.a.o. (f.t. from 9b)

Question No.	Answers and Requirements	Marks	Additional Guidance
10. a)	25%	1	c.a.o.
b)	200140 ÷ 5 40,028 tourists	1 1	Accept other valid methods c.a.o.
c) i.	55%	1	c.a.o. (f.t. from 10a)
ii.	$\frac{11}{20}$	1	c.a.o. (f.t. from 10ci)
11. a) i.	A and D	1	c.a.o.
	B and C	1	c.a.o.
ii.	B and C	1	c.a.o.
b)	Breadth = 6 m Area = 42 m ²	1 1	c.a.o. c.a.o. (f.t. from answer of breadth)
12.	21 books	5	c.a.o. (Award only 2 marks if answer is any of the following: 9, 13, 15, 27, 29)
13. a) i.	addition of monthly amount of rainfall 730 mm 880 - 730 150 mm	1 1 1 1	seen or implied seen seen c.a.o.
ii.	bar chart completed	1	c.a.o. (f.t. from 13a)
b)	July	1	c.a.o.

Question No.	Answers and Requirements	Marks	Additional Guidance
14. a)	addition of all heights	1	seen
	division by 7	1	seen
	125 cm	1	seen
b)	'The mean height of the boys is equal to the mean height of the girls.' (ticked)	3	Award 3 marks for correct answer ticked only if accompanied with a good explanation such as: Total height (boys) = 375 cm Mean height (boys) = 125 cm Total height (girls) = 500 cm Mean height (girls) = 125 cm
15. a)	23×12	1	seen or implied
	276 people	1	c.a.o.
b)	€33.50	4	c.a.o. (Award 2 marks for valid attempt to work out cost when the cost calculated is not the cheapest)
16. a)	'Friday' ticked	2	c.a.o.
b)	$\div 7$	1	seen or implied
	'Saturday' ticked	1	c.a.o.
c)	third clock ticked	2	c.a.o.

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.