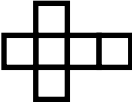


MATHEMATICS MARKING SCHEME

MENTAL PAPER

(1 mark each c.a.o.)

1.	13,007 or 13 007 or 13007	2.	3 or three
3.	4 - 30 or four - thirty	4.	5 or five
5.	9,000 or 9 000 or 9000 or nine thousand		
6.	25 or twenty five	7.	66 or sixty six
8.	$\frac{2}{6}$ or two sixths	9.	$4\frac{1}{4}$ or four and one fourth
10.	500 or five hundred	11.	51 or fifty one
12.	30 or thirty	13.	35 or thirty five
14.	W or West	15.	15 or fifteen
16.	a. 	17.	30 or thirty
18.	24 or twenty four	19.	40 or forty
20.	70 or seventy		

WRITTEN PAPER

Question No.	Answers and Requirements	Marks	Additional Guidance
1. a)	69	1	c.a.o.
b)	184	1	c.a.o.
c)	100	1	c.a.o.
d)	103	1	c.a.o.
2. a)	sphere	1	c.a.o. ignore spelling mistakes
b)	cube	1	c.a.o. ignore spelling mistakes
c)	square	1	c.a.o. ignore spelling mistakes
d)	cylinder	1	c.a.o. ignore spelling mistakes
3. a)	7.6	1	c.a.o.
b)	63 kg	1	c.a.o.
c)	750 ml	2	c.a.o.
4. a) i	6 lines of symm. correctly drawn.	1	c.a.o.
a) ii	2 lines of symm. correctly drawn.	1	c.a.o.
a)iii	No lines of symmetry	1	c.a.o.
b)	Shape A and Shape B	1	c.a.o. (only if both correct)
5. a)	35; 37	1	Accept any other valid answers.
b)	40; 48	1	c.a.o.
c)	36; 49	1	c.a.o.
d)	43; 47	2	Accept any other valid answers.
	In 5 a, b, c, d each number must be used only once. If number is repeated, only one of the answers shall be awarded marks.		
6. a)	06:45 or 6:45	1	c.a.o.
b) i	Correct time drawn on clock face	1	c.a.o.
b) ii	Addition / Use of timeline 8.10 a.m.	1 1	Accept other valid methods
b)iii	150°	1	Accept $\pm 15^\circ$
7. a) i	It has got 2 tenths.	1	c.a.o.
a) ii	When rounded to the nearest whole number, the result is 17.	1	c.a.o.
b)	28.06	1	c.a.o.
c)	50; 8; 0.9	2	c.a.o. (1 mark if 1 or 2 numbers are circled correctly)

Question No.	Answers and Requirements	Marks	Additional Guidance
8. a)	15 ml	1	c.a.o.
b)	75ml seen 15ml	1 1	c.a.o.
c)	1500 ÷ 5 seen or implied 300 teaspoons	1 1	Accept other valid methods
9. a)	420 stickers	1	c.a.o.
b)	420 ÷ 7 seen or implied 60	1 1	Accept other valid methods f.t. from 9a
c)	120 or $\frac{6}{21}$ seen $\frac{2}{7}$	1 1	Accept other valid methods f.t. from 9a
10. a) i.	150 km	$\frac{1}{2}$	c.a.o.
a) ii.	75 km	1	c.a.o.
b) i.	1 h	$\frac{1}{2}$	c.a.o.
b) ii.	2 $\frac{1}{2}$ h or 2.5 h	1	c.a.o.
c) i.	4 h seen	1	c.a.o.
c) ii.	1 hour = 50 km	1	Any other valid reasoning
11. a)	12 ÷ 3 division seen or implied 4cm	1 1	Accept other valid methods
b) i	12 x 4 add. /mult. seen or implied 48cm	1 1	Accept other valid methods
b) ii	Any 4 triangles are shaded	1	c.a.o.
12. a) i	Maria's Greengrocer	1	c.a.o.
a) ii	Subtraction seen or implied €0.07	1 1	Accept other valid methods
b)	(€6.60 - €5.76) or (7 x 12) seen or implied €0.84	1 1	Accept other valid methods f.t. from 12a ii
13. a)	10%	1	c.a.o.
b)	True 10% more like reading rather than collecting stickers.	1 2	c.a.o. Accept other valid reasoning
c)	50 % like sports seen or implied 60 children	1 1	c.a.o.
14. a)	Missing fact: There are 25 soldiers in each row. 25 × 6 seen or implied 150	1 1 1	c.a.o. Accept other valid methods c.a.o.
b)	Missing fact: One bus carries 30 students. 810 ÷ 30 seen or implied 27	1 1 1	c.a.o. Accept other valid methods c.a.o.

15	a)	34cm x 9	1	Accept other valid methods
		306 cm	1	
	b) i	8 knots	1	c.a.o.
	b)ii	266 cm	1	c.a.o.
	c) i	No	1	c.a.o.
	c)ii	He needs another 34 cm of rope to reach the height of 2.95 metres.	1	Accept other valid reasoning
16.	a)	Addition seen or implied	1	Accept other valid methods
		€218	1	
	b)	Valid attempt to solution seen	3	
		€75	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.