

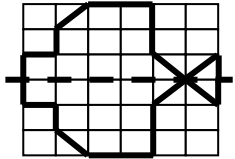
**MATHEMATICS MARKING SCHEME**

**MENTAL PAPER**

(1 mark each c.a.o.)

1.	356 or three hundred and fifty six	2.	4 tenths
3.	sphere (ignore incorrect spelling)	4.	12,501 or 12 501 or 12501 or twelve thousand five hundred and one
5.	7 or seven		
6.	13 or thirteen	7.	33 or thirty three
8.	7 or seven	9.	6 or six (or any other correct common multiple)
10.	750 ml or 750 millilitres or seven hundred fifty millilitres	11.	53 or fifty three
12.	900 or nine hundred	13.	Any number in digits or in words between twelve thousand and thirteen thousand.
14.	0.3	15.	36 or thirty six
16.	16 or sixteen	17.	$12\frac{1}{4}$
18.	40 or forty	19.	Runner B
20.	40 or forty		

## WRITTEN PAPER

Question No.	Answers and Requirements	Marks	Additional Guidance
1. a)	69	1	c.a.o.
b)	836	1	c.a.o.
c)	1600	1	c.a.o.
d)	105	1	c.a.o.
2. a)	16	1	c.a.o.
b)	100	1	c.a.o.
c)	16	1	c.a.o.
d)	954	1	c.a.o.
3. a)	48,291	1	c.a.o.
b)	43·5	1	c.a.o.
c)	any two numbers that give an odd total	1	c.a.o.
d)	99 + 356 + 3901	1	c.a.o. (Accept in any order)
4.	2 × 4·5 seen or implied 9m <sup>2</sup> 9 × 15 seen or implied €135	1 1 1 1	Accept other valid methods (f.t. from area of carpet)
5. a)	cube (12 edges, 8 vertices) cylinder (3 faces, 0 vertices) cone (2 faces, 1 edges)	1 1 1	c.a.o. c.a.o. c.a.o.
b)		2	c.a.o.
6. a) i.	0·6	2	c.a.o. (Accept answer as fraction)
a) ii.	0·25 marked correctly	1	c.a.o.
b)	20%, 0·6, $\frac{3}{4}$	1 1	20% is identified as the smallest 0·6, $\frac{3}{4}$ in their correct order
7. a)	1·4 × 8 seen or implied €11·20	1 1	Accept other valid methods
b)	1·6 × 12 seen or implied €19·20	1 1	Accept other valid methods
c)	8 bottles	1	c.a.o.

Question No.	Answers and Requirements	Marks	Additional Guidance	
8.	a) i.	120°	1	c.a.o.
	a) ii.	77°	1	c.a.o.
	b) i.	obtuse	1	c.a.o.
	b) ii.	180°	1	c.a.o.
	b)iii.	NW	1	c.a.o.
9.	a) i.	268	1	c.a.o.
		52	1	c.a.o. follow through (f.t.)
	a) ii.	56	1	c.a.o.
		3920	1	c.a.o. follow through (f.t.)
	b)	16 - 36 - 49	1	c.a.o.
10.	a)	1050 ml seen or implied 450 ml	1 1	Accept other valid methods
	b)	subtraction or division seen or implied 3 glasses	1 1	f.t. from 10a
	c)	90 ml	1	f.t. from 10b
11.	a)	90 passengers	1	c.a.o.
	b)	36 passengers	1	c.a.o.
	c)	90 passengers	1	c.a.o.
	d)	$\frac{90}{360}$ or $\frac{1}{4}$	1 1	Correct denominator seen c.a.o. (Accept other equivalent fractions)
12.	a)	15 m	1	c.a.o.
	b)	7·2 m <sup>2</sup> 14·4 m <sup>2</sup>	1 1	Accept other valid methods c.a.o.
	c)	subtraction seen or implied 32·1 m <sup>2</sup>	1 1	Accept other valid methods c.a.o. (f.t. from 12b)
13.	a)	Cardigan – Shop A – 5 Dresses – Shop B – 9	1	c.a.o. (both correct)
	b)	Correct completion of bar charts	1	c.a.o. (both correct)
	c) i.	Yes	1	c.a.o.
	c) ii.	Shop A – 56 items Shop B – 49 items	1	Accept any valid reasoning
	d)	$\frac{30}{105}$ or $\frac{6}{21}$ $\frac{2}{7}$	1 1	c.a.o.



