SECONDARY SCHOOL ANNUAL EXAMINATIONS 2005

Educational Assessment Unit – Education Division

FORM 1

MATHEMATICS (Mental)

TIME : 10 minutes

Class : _____

Name : _____

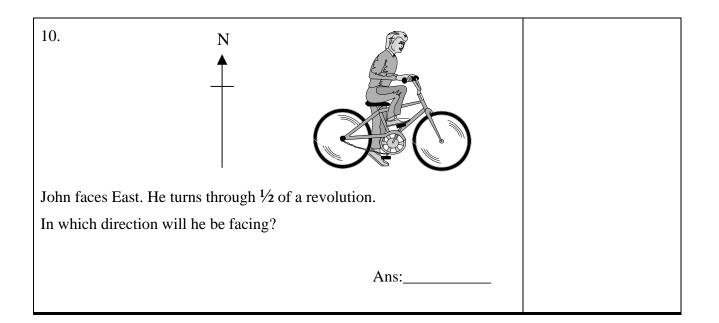


- ANSWER ALL QUESTIONS.
- EACH QUESTION CARRIES 1 MARK.
- CALCULATORS, RULERS, PROTRACTORS AND OTHER MATHEMATICAL INSTRUMENTS ARE NOT ALLOWED.
- ON YOUR DESK YOU SHOULD HAVE NOTHING EXCEPT FOR PEN, PENCIL AND EXAMINATION PAPER.
- WRITE DOWN YOUR ANSWER ONLY IN THE SPACE PROVIDED.

DO NOT WRITE IN THIS SPACE

QUESTIONS	Space for working if required
1. What is the value of 4 in 2143 ?	
Ans:	
2. $1.6 \text{ metres} = \ \text{cm.}$	
3.	
The length of this nail is about:	
(a) 1 cm (b) 3 cm (c) 10 cm (d) 10 mm	
Ans:	
4. Give a rough estimate of :	
38 × 11 Ans:	
5. Find 25% of 20.	
Ans:	

6.	Give	275	to the nearest 100.		
				Ans:	
7.			a room. The first two tiles ern with another tile.	s look like this.	
8.	Make equi	valent fra $\frac{3}{9}$	=		
9.	The si		 gle x is about: 30° (c) 90° (d) 120°		
				Ans:	



END OF PAPER

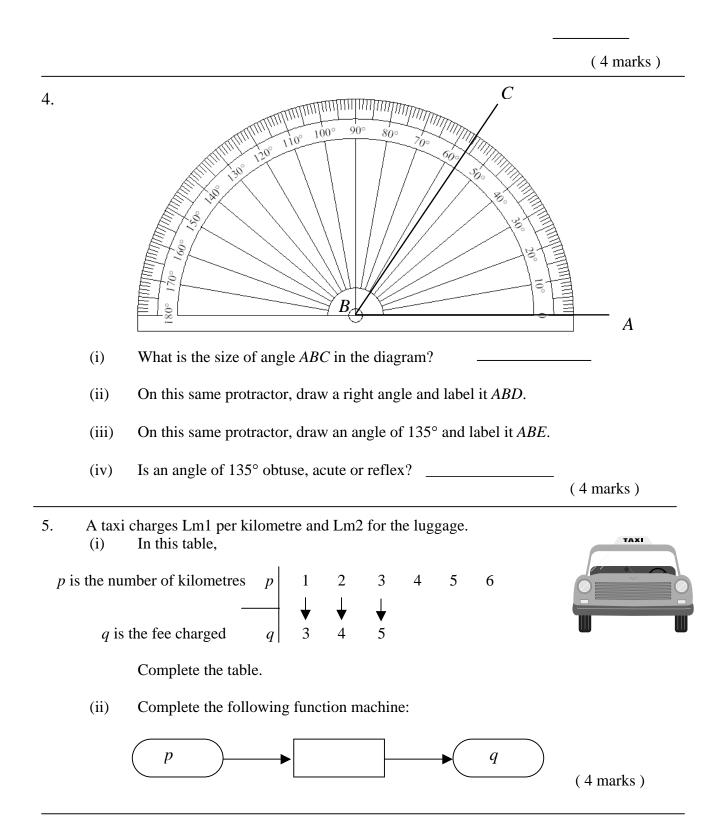
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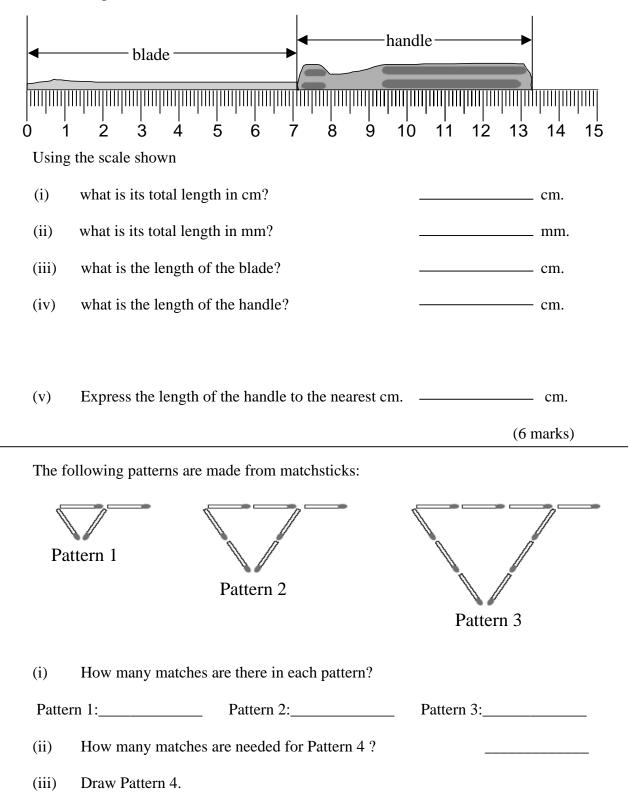
FORM	M 1					Μ	AT	ΉE	CMA	ATI(CS (Mai	in Pa	aper)	Tir	ne:1h	50min
Question Mark	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total Main	Mental	Global Mark
DO NOT WRITE ABOVE THIS LINE																		
Name	:									-					(Class :		
					CA	LC	UL	AT	OR	S AR	E N	ОТ	ALL	.OW	ED]
ANSV	VER	AL	LQ	UE	STI	ON	S.											-
1.	From the following set of numbers																	
	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12.																	
	write down(i)two even numbers:																	
	(ii)	tv	vo fa	actor	rs of	10 :						_,						
																	(4 ma	rks)
2.	(a)	V	Vrite	e in f	igur	es:												
	One thousand, two hundred and twelve.																	
	(b)	V	Vrite	the	se nu	ımbe	ers i	n ore	der o	of size	e, sta	rting	with	the s	malle	est:		
				12	2, 1	·25	, 10	D·2.	• _									
																	(4 ma	rks)

- 3. I have 25 oranges that I pack in bags of 4 each.
 - (i) How many bags do I fill?

(ii) How many oranges have I left over?



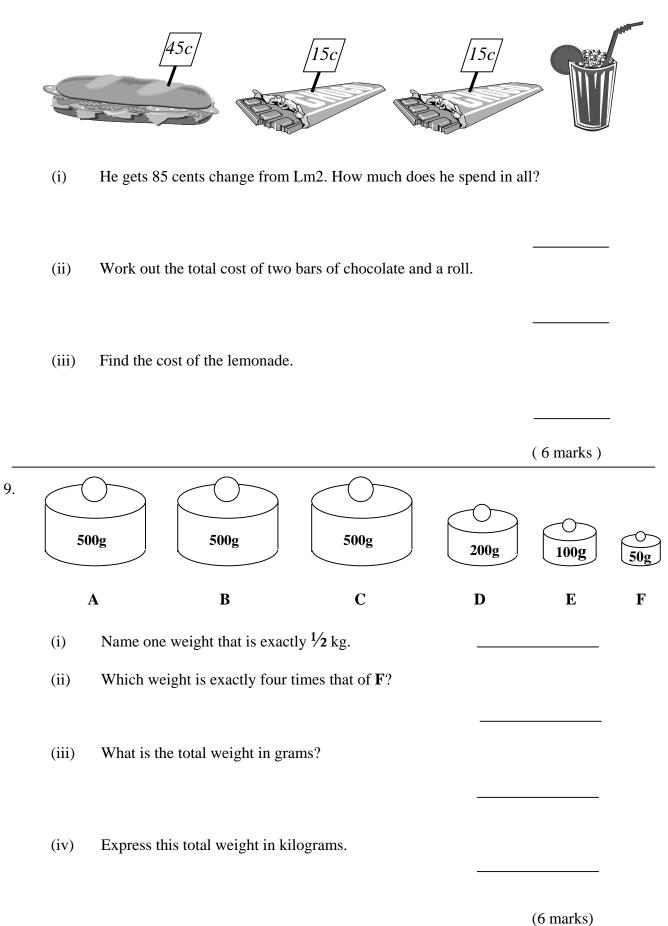
6. Here is a picture of a screw-driver.

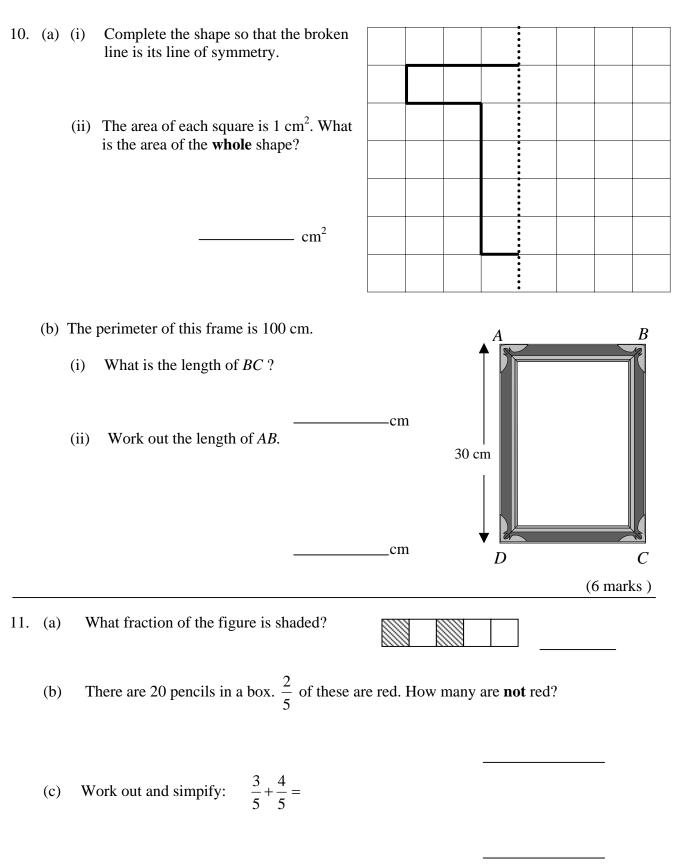


(6 marks)

7.

8. A roll costs 45 cents and a bar of chocolate costs 15 cents. John buys a roll, 2 bars of chocolate and a lemonade.





(d) Mary sleeps for 8 hours. For what fraction of the day is she asleep?

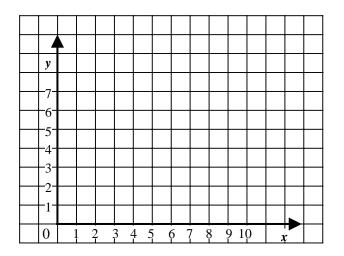
(8 marks)

- 12. (a) A bus leaves Valletta at 13:50. Mark this time on the 12-hour clock.
 - (b) Fill in correctly: 120 minutes = _____ hours.
 - $2^{1/2}$ minutes = _____ seconds.
 - (c) (i) What day of the week is the last day of January 2009?
 - (ii) What is the date of the third Thursday in February?
 - (iii) February 10th is a holiday. What day of the week is it?
 - (iv) Is 2009 a leap year?

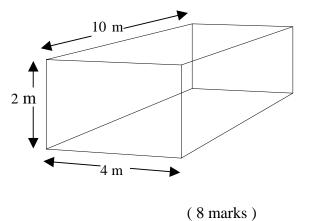
	FEBRUARY 2009											
MON	TUE WED THU FRI SAT					SUN						
						1						
2	3	4	5	6	7	8						
9	10	11	12	13	14	15						
16	17	18	19	20	21	22						
23	24	25	26	27	28							

(8 marks)

- 13. (a) On the grid shown
 (i) mark the points
 A(1, 1), B(1, 6), C(6, 6), D(6, 1).
 - (ii) join the points in alphabetical order.
 - (iii) name the shape you obtain.



(b) An aquarium at the zoo is 10 m long, 4 m wide and 2m high. What volume of water can it hold?



14. (a) Liz types the following LOGO commands:

PD REPEAT 2[FD 50 LT 90 FD 80 LT 90]

Sketch the figure she gets.

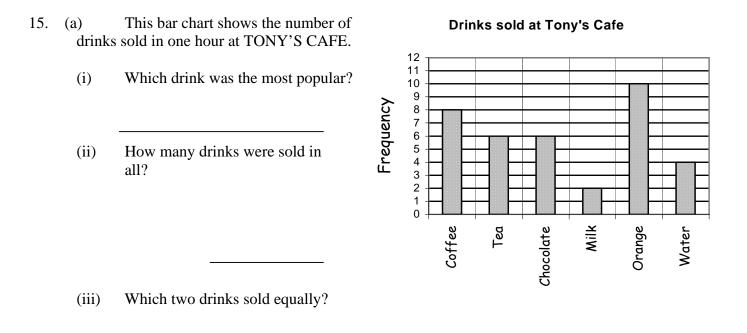


- (b) (i) On the line shown draw PQ = 6 cm.
 - (ii) Using ruler and compasses only, draw a triangle PQR with PQ = 6 cm, PR = 5 cm and QR = 5 cm.

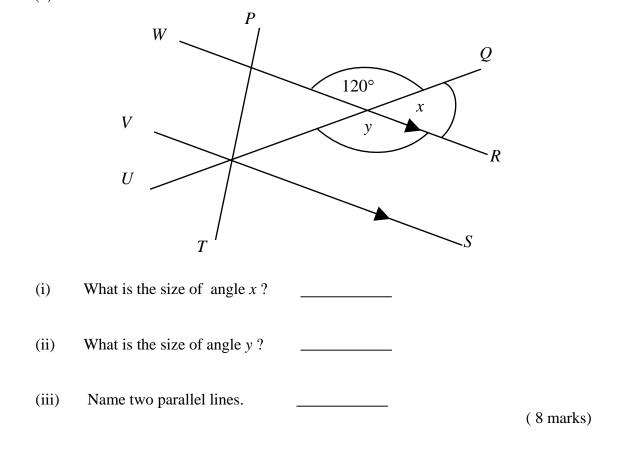


(iii) Is this triangle scalene, isosceles, or equilateral?

(8 marks)



(b)



END OF PAPER