



DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION Educational Assessment Unit

FORM 2			M	ATH	EMA'	ΓICS	– SCI	HEMI	E C	T	ME:	45 mi	nutes
			(N	ION-	CALC	CULA	TOR	PAPI	ER)				
Question	1	2	3	4	5	6	7	8	9	10	11	12	Total
Mark													
			DO N	OT V	VRIT	E AB	OVE	THIS	LIN	E			
Name: _								-		Cla	ass:		
		IN	NSTE	RUC	ΓΙΟΝ	IS TO	O CA	NDI	DAT	ES			
Answ	er AI	LL qu	estion	ıs.									
■ This p	paper	carri	es a t	otal of	f 40 m	arks.							
Calcu	lator	s and	protr	actors	s are l	NOT A	ALL(WEI) .				

1 a) Work out: i)	72 . 31 + 18 . 62	ii)	172 . 37 – 11 . 62	
•	swer to (i) correct to t		0.	
	. ,			(4 marks)
2 Evaluate: a)	84.12 × 10			
b)	48.21 ÷ 100			
c)	(98.41 – 36.4) ÷ 10			
				(4 marks)
3 Evaluate the fo	llowing, giving your a	nswer in its si	mplest form:	
a) $2/5 + 1/5$	=			
b) $1/10 + 3/1$	10 =			
c) 24 × ½	=			
				(4 marks)
	ay, the temperature in at was the temperature		°C, while that in	Moscow was

(1 mark)

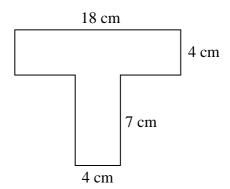
Name: _____ Class: _____



5 If z = 3x - 2y, find the value of z when x = 4 and y = 5.

(3 marks)

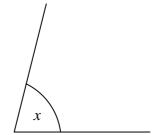
6 Find the area of the shape shown.



(4 marks)

7. The angle marked *x* is approximately equal to _____

5° 40° 80° 100°



(1 mark)

8. Solve the following equations:

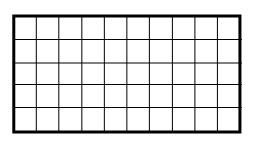
a)
$$7 + x = 9$$

b)
$$3y = 27$$

$$c) \ \frac{z}{10} = 3$$

(3 marks)

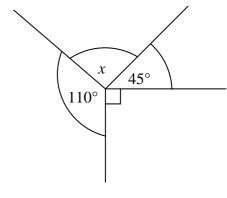
9 a) How many small squares are there in the big rectangle?



b) Shade in 76% of these squares.

(4 marks)

10 What is the value of the angle marked x?



x=

(4 marks)

11	a) What is the value of 2^6 ?	
	b) What is the value of 6^2 ?	
	c) What is the value of $2^6 + 6^2$?	
		(4 marks)
12	Five bars of chocolate cost €1.15. a) How much does 1 bar of chocolate cost?	
	b) How much do 7 bars cost?	€
		€(4 marks)

End of Paper

SECONDARY SCHOOL ANNUAL EXAMINATIONS 2008





FORM 2				MATHEMATICS – SCHEME C (Main Paper) Tin										Time:	e: 1h 15min	
Question	1	2	3	4	5	6	7	8	9	10	11	12	Total Main	Non Calculator	Global Mark	
Mark																
					DO	NO'	Γ W]	RITI	E AB	OVE	TH	IS LI	NE			
Name: _									_					Class:		
Name: _ Answ This p Calcu	er al	l que	stion	s. 0 ma	rks.				e allo	wed t	out al	l nece	essary woi	Class:		
Answ This j	er al paper lator	l que carr s and	stion ies 60 matl	s. 0 mai nema	rks. tical	instru	ımen	ts are				1 nece	essary woi			
Answ This p Calcu	er al paper lator	l que carr s and	stion ies 60 matl	s. 0 mai nema	rks. tical	instru find	imen	ts are	of 8				essary woi			

2 Five names are put in a hat; one name is chosen at random. The names are Tom, Ann, Paul, Andrew and Rose.

d) Round your answer to (c) correct to the nearest whole number.

- a) What is the probability that the name Paul will be chosen?
- b) What is the probability that the name chosen will be that of a girl?

(4 marks)

(4 marks)

3 Divide €230 between Arnold and Mary in the ratio 2:3.

Arnold € _____

Mary €

(5 marks)

- 4 These are Dominic's annual marks:
- 70
- 44
- 82
- 51
- 74
- 58 75
- 50

81

Work out:

- a) the average mark
- b) the median mark.

(6 marks)

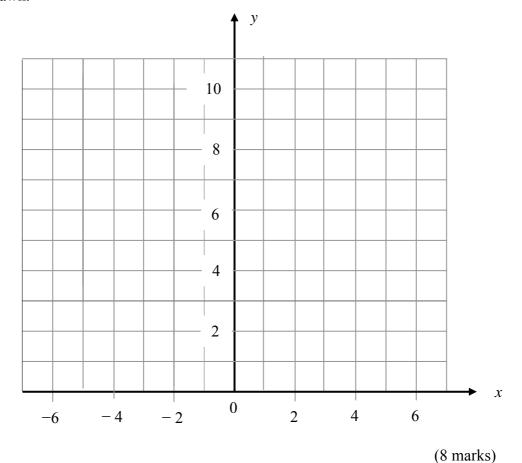
- a) On the grid provided plot the following points:
 - A (0,2)
- B(2,2)

C(2,7)

- D(3,7)
- E (0,10)

Join A to B, B to C, C to D, D to E.

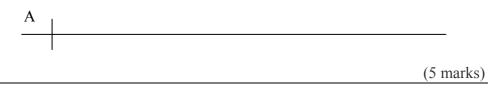
b) Use the y axis as a mirror line and draw the image of the shape you have drawn.



Name:	Class:

- C
- 6 In this question you may only use a ruler, protractor and compasses. On the given line mark point B such that AB = 10 cm. At A draw line AC such that $\angle BAC = 50^{\circ}$ and AC = 8 cm. Join B to C. Measure the length of BC.

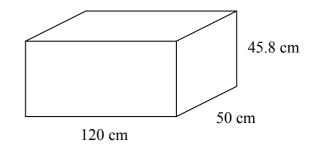
$$BC = cm$$



7 The diagram shows a rectangular box measuring 120 cm long, 50 cm wide, 45.8 cm high. Calculate:

 cm^2

a) the area of the largest face



- b) the area of the smallest face
- c) the volume of the box.

____cm²

___cm³

(5 marks)

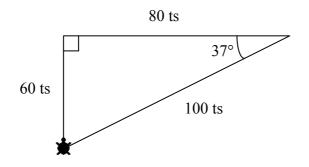
8 Rita used a spreadsheet to work out a bill.

	A	В	С	D
1	Quantity	Description	Unit Price (€)	Price (€)
2	2	Packets Butter	3.12	6.24
3	4	Cartons milk	1.68	
4	3	Packets cat food		3.57
5			Total	

a) Which one of the following formulae did Rita type in cell D2?

 $= A3 \times C2;$ = C2/A2; = C2*A2. =

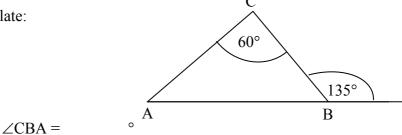
- b) Write down the correct values in cells D3, C4, and the total in cell D5. (4 marks)
- 9 James was trying to draw the triangle shown using Logo.
 Fill in the blanks with the appropriate commands so that James will get the triangle he wants.



PD FD 60 RT ____ FD ___ 143 FD ____

(4 marks)

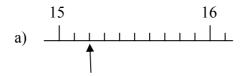
- 10 In ΔABC, calculate:
 - a) $\angle CBA$ and



b) ∠BAC.

$$\angle BAC = _{}$$
 ° (4 marks)

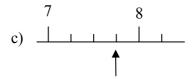
11 What number is the arrow pointing at on each of the following scales?







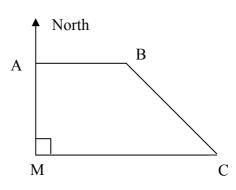






(6 marks)

of an aeroplane which took off from Malta (M) and flew North to point A. It then turned right 90° and continued to B. At B it turned right another 45° and flew to C.



- a) Write down in **words** the direction of the aeroplane from
- i) A to B
- ii) B to C



b) \angle AMC = 90°. What is the **3 figure** bearing of M from C?



(5 marks)

End of Paper