

FORM 1

MATHEMATICS – SCHEME C
(Non-Calculator Paper)

TIME: 45 minutes

Name : _____

Class : _____

Question	1	2	3	4	5	6	7	8	9	10	11	Total
Mark												

INSTRUCTIONS TO CANDIDATES

- **Answer all questions.**
 - **This paper carries 40 marks.**
 - **Calculators and protractors are not allowed.**
-

1. Look at these numbers:

3461 153 635 1342 1531 13891 9301 63

(a) Write the numbers where the 3 is worth three hundred.

(b) Write the numbers where the 3 is worth thirty.

(c) Write the numbers where the 3 is worth three thousand.

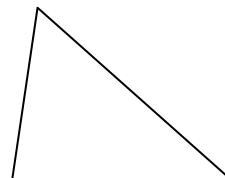
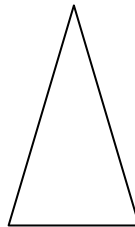
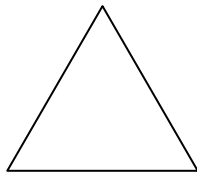
(d) Write the numbers where the 3 is worth three.

(4 Marks)

2. Here is a list of names of shapes:

scalene triangle, equilateral triangle, isosceles triangle

Name the shapes below choosing from the list.



Name

(3 Marks)

3. **Shade in** the multiples of 3.

30	12
17	24
27	22
14	18
21	9

(4 Marks)

Name : _____

Class : _____



4. **Match** the shapes in **A** with the sentences in **B**. Use a pencil.

A **B**

50% of the shape is shaded.

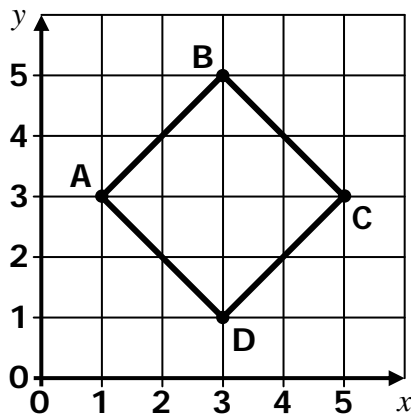
$\frac{1}{3}$ of the shape is shaded.

25 % of the shape is shaded.

$\frac{1}{5}$ of the shape is shaded.

(4 Marks)

5. (a) Write down the **co-ordinates** of points **A**, **B** and **C** plotted below.



Point A: (,)

Point B: (,)

Point C: (,)

(b) What is the **name** of shape **ABCD**? _____

(4 Marks)

6. Look at these digits:

4, 7, 8, 4, 3, 1

(a) Use all the digits to make the **largest** number. _____

(b) Use all the digits to make the **smallest** number. _____

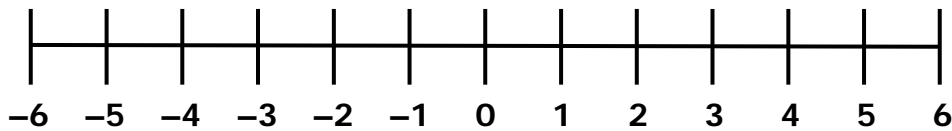
(2 Marks)

7. In Paul's class there is a **Points' System**:

arrive early	2 points
arrive on time	1 point
arrive late	- 3 points

Paul is: **late on Monday,**
on time on Tuesday and Wednesday
and early on Thursday and Friday.

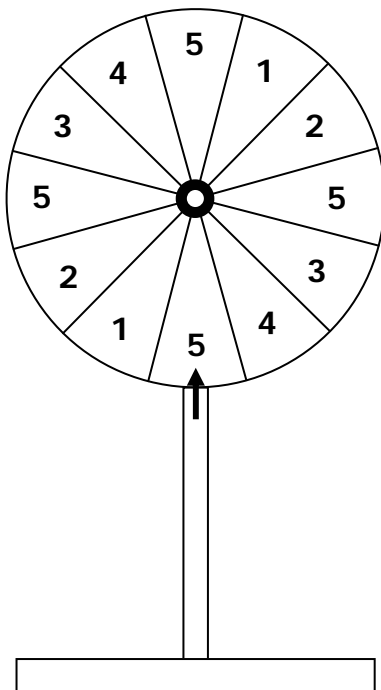
Use the number line below to find **how many points** Paul gets.



_____ points

(3 Marks)

8.



This is a wheel of fortune.

What is the probability that the wheel stops on:

- (a) number **5**? _____
- (b) number **1**? _____
- (c) an **odd number**? _____
- (d) a number **4 or bigger**? _____

(4 Marks)

9. There are **30 students** in a class.

(a) $\frac{1}{2}$ of the class goes to the cinema.

How many students go to the cinema?

_____ students

(b) $\frac{1}{3}$ of the class goes to Valletta.

How many students go to Valletta?



_____ students

(c) **The rest** go for a hike.

How many students go for a hike?

_____ students

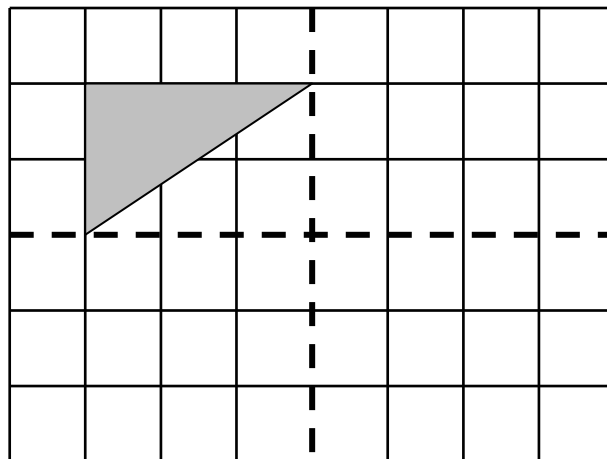
(d) What **fraction** of the whole class goes for a hike?

Complete: $\frac{\square}{30} = \frac{1}{\square}$

_____ (4 Marks)

10. This shape has **two lines of symmetry**.

Complete the shape.



_____ (4 Marks)

11.

January 2009						
M	T	W	T	F	S	S
			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	29	30	31	

February 2009						
M	T	W	T	F	S	S
						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	

(a) School starts on **7 January**.

How many **school days** are there in January?

_____ **school days**

(b) My birthday is on **3 February**.

The following **weekend** I go to Sicily for two days.

Write down these dates.

_____ **and** _____

(c) What **day of the week** is the first day of March?

_____ (4 Marks)

END OF PAPER



FORM 1

MATHEMATICS – SCHEME C
(Main Paper)

TIME: 1h 15min

Question	1	2	3	4	5	6	7	8	9	10	11	12	13	Total Main	Non- Calc.	Global Mark
Mark																

DO NOT WRITE ABOVE THIS LINE

Name : _____

Class : _____

ANSWER ALL QUESTIONS.

1. (a) Change **12 cm** to **millimetres**. _____ **mm**
- (b) Change **800 mm** to **centimetres**. _____ **cm**
- (c) Change **1600 cm** to **metres**. _____ **m**
- (d) Change **4 m** to **centimetres**. _____ **cm**
- (e) Change $\frac{1}{2}$ **km** to **metres**. _____ **m**

1 cm = 10 mm
1 m = 100 cm
1 km = 1000 m

(5 Marks)

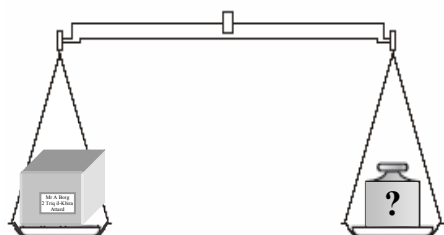
PARCEL POST OFFICE

10 cent per kilogram

2. (a) **Complete** this formula:
Cost (in cent) = **× number of kg**

- (b) How much does it cost to send a parcel that weighs **17 kg**?

€ _____



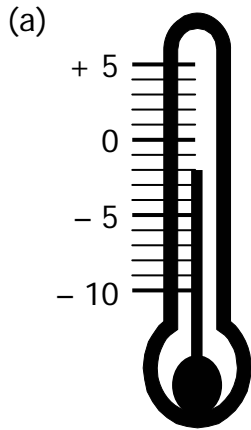
- (c) I send another parcel. I pay 65 c.

What is the **weight** of my parcel?

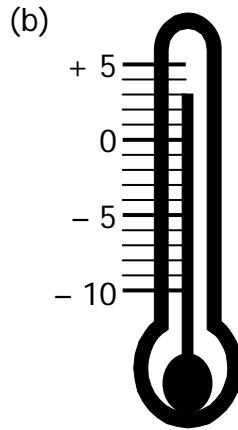
_____ **kg**

(5 Marks)

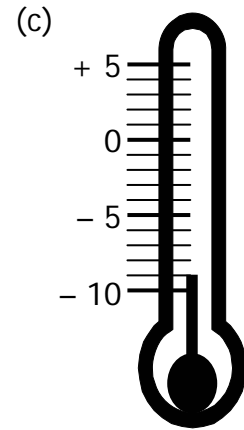
3. Write down these temperatures in degrees C. Use + or - .



_____ °C



_____ °C



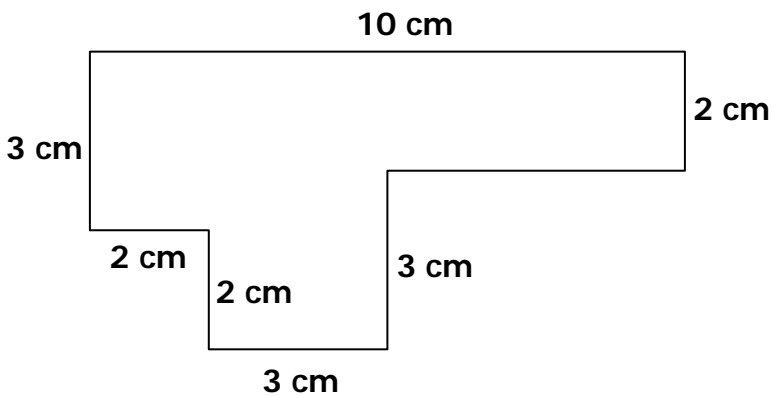
_____ °C

(d) Which is the **coldest** temperature?

_____ °C

(4 Marks)

4. (a) What is the **perimeter** of this shape?

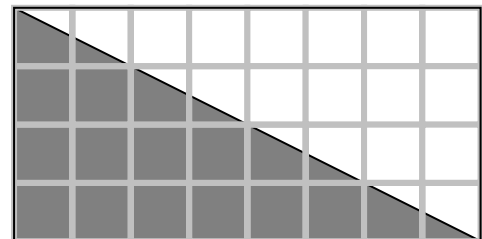


_____ cm

(b) Each square represents 1 cm^2 .

(i) What is the area of the **rectangle**?

_____ cm^2



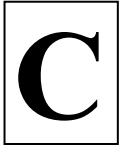
(ii) What is the area of the **triangle**?

_____ cm^2

(6 Marks)

Name : _____

Class : _____



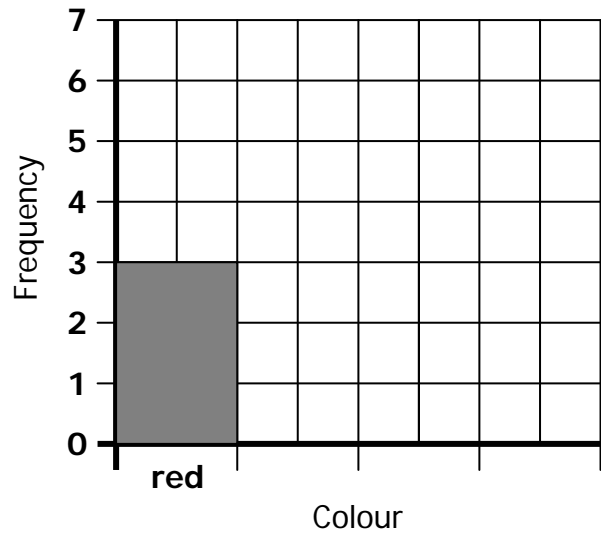
5. Karl makes a list of his friends' favourite colour.

blue	yellow	yellow	blue
blue	blue	red	red
green	green	blue	yellow
green	red	green	blue

(a) (i) Complete the tally chart.

Colour	Tally	Frequency
red		3
blue		
green		
yellow		
Total		

(ii) Now complete the bar graph.



(b) Which is the most popular colour?

(c) Which two colours are equally liked?

_____ and _____

(8 Marks)

6. (a) Peter fills **5 glasses** with lemonade taken from a jug.

He puts **200 millilitres** in each glass.

How much lemonade does he use?



_____millilitres

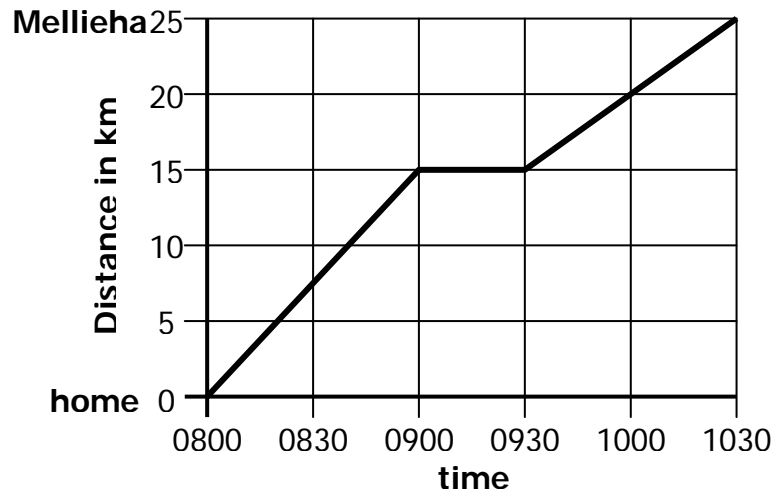
(b) The jug now has **500 millilitres** of lemonade left.

How much lemonade was there in the jug **before** Peter started drinking?

_____millilitres

(4 Marks)

7. Anne used the bicycle to go to Mellieha. She left home at **0800**.



- (a) At what **time** was she **20 km** from home? _____
- (b) **How far** from home was Anne at **0900**? _____
- (c) **How far** from home was Anne at **0930**? _____
- (d) Between **0900 and 0930** the graph shows a horizontal line. **Why?**

_____ (4 Marks)

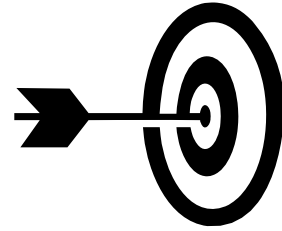
8. Draw an angle of 50° . Use the mark on the line below.



_____ (4 Marks)

9. Paul shot **7 times** at a target.

He scored: **10, 15, 10, 5, 5, 15, 10**



(a) Write these scores, **in order of size**, starting with the **smallest**:

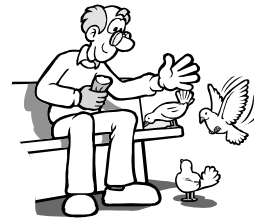
(b) Find the **mode** of his score.

(c) Find the **mean** of his score.

(4 Marks)

10. A bird eats **20 g** of birdseed **everyday**.

My father has **5** birds.



(a) How much birdseed is used in **one day**?

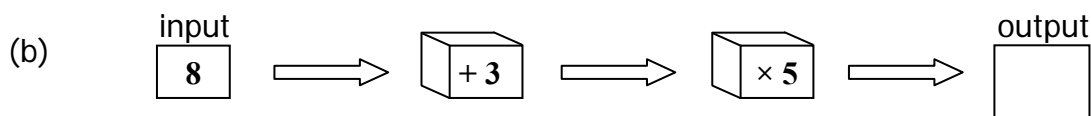
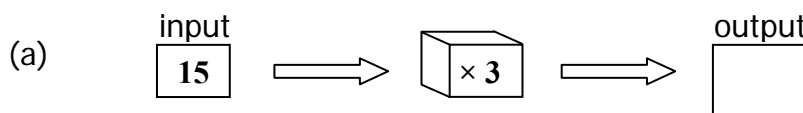
_____g

(b) How much birdseed is used in **one week**?

_____g

(4 Marks)

11. Write the **output** for each of these number machines:



(3 Marks)

12. (a) Jesmond goes to a stationery. **Complete** his bill.

Item	Price	Total Cost
12 copybooks	17 c each	
3 pencils	9 c each	
4 boxes of crayons	63 c each box	
Grand Total		€ .

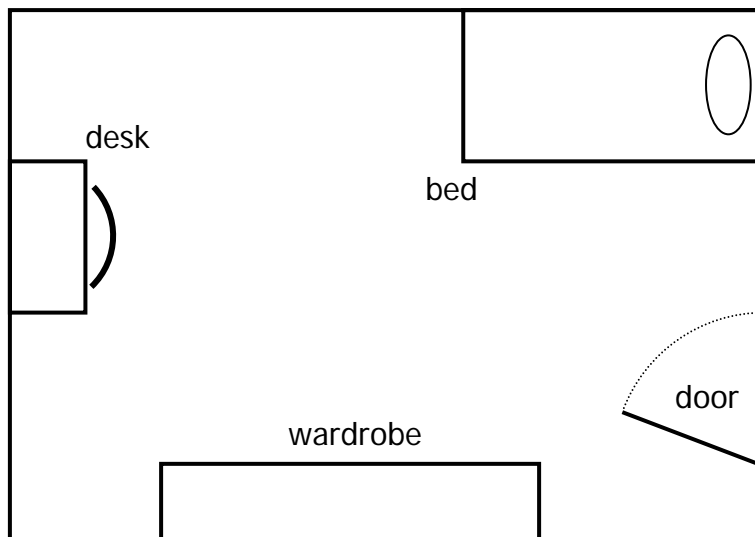
- (b) Jesmond pays with a €5 note.

What **change** does he receive?

€ _____

(5 Marks)

13. This is a **plan** of a bedroom.



Scale 1 cm : 50 cm

- (a) How **wide** is the **real bedroom**?

_____cm

- (b) How **long** is the **real wardrobe**?

_____cm

(4 Marks)

END OF PAPER