



ST NICHOLAS COLLEGE
RABAT MIDDLE SCHOOL
HALF YEARLY EXAMINATIONS
February 2017

Level
6-7

YEAR 7

MATHEMATICS Level 6 - 7

TIME: 30 mins

Non Calculator Paper

Question	1	2	3	4	5	6	7	8	NC
Mark									

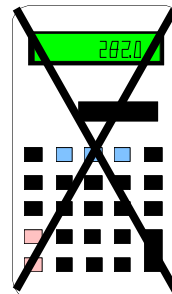
DO NOT WRITE ABOVE THIS LINE

NAME AND SURNAME: _____ **CLASS:** _____

INSTRUCTIONS TO CANDIDATES:

Read all the questions carefully before you start answering.

- Answer all questions.
- This paper carries 25 marks.
- **Calculators, protractors** and other mathematical instruments are **NOT ALLOWED**.



1. Peter and Jane had to write **twenty million, one hundred and five** in figures.

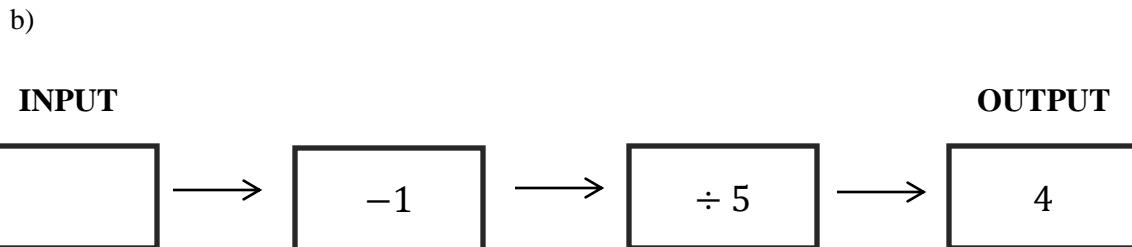
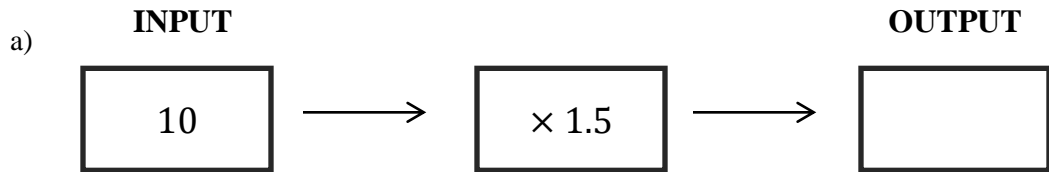
Peter writes 20,001,005 while Jane writes 20,000,105

a) Who is correct? _____

b) Another student, Karl, wrote the number 20,010,005. Write this number in **words**.

(3 marks)

2. Fill in the **input** and **output** for the following number machines.



(3 marks)

3. The units in the first column are converted to the units in the third column.

Fill in the table below. The first has been done for you.

Unit 1	Conversion	Unit 2
m	$\times 100$	cm
kg		g
mm		cm

(2 marks)

4. (a) Maria uses the partition method to work out 235×29 .

Fill in her working below.

	200	30	5
20			
9			

(b) Joseph works out 235×30 instead of 235×29 .

(i) Work out 235×30 .

Ans: _____

(ii) What does Joseph need to do to the answer in question (i) to find the value of 235×29 ?

Ans: _____

(5 marks)

5. a) Underline the correct answer that explains the meaning of **equivalent fractions**.

- i. Fractions that are written differently but have the same value.
- ii. Fractions that have the same denominator but a different numerator.

b) Write **three** fractions that are equivalent to $\frac{6}{9}$.

$\frac{\square}{\square}$	$\frac{\square}{\square}$	$\frac{\square}{\square}$
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(3 marks)

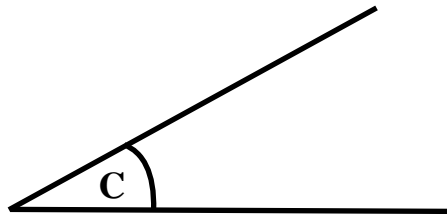
6. **Estimate:**

a) The **length** of the line AB to the nearest cm.



Length AB = _____ cm

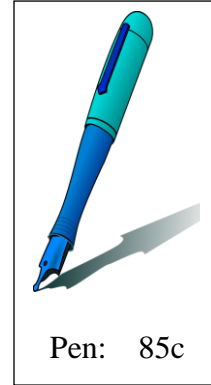
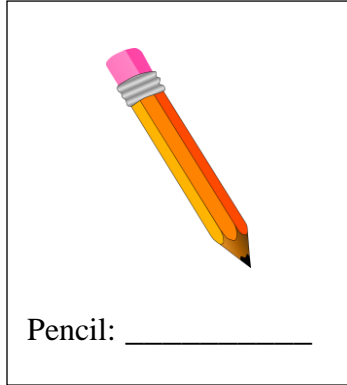
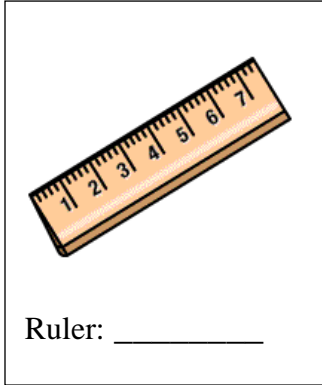
b) The **size** of angle C to the nearest 10°.



Angle C = _____ °

(2 marks)

7. Mary buys a pencil, a pen and a ruler. The **change** she gets from a €5 note is €2.25. The cost of the pen is 85c and the cost of the ruler is 40c **more** than the pen. Work out the cost of the pencil and the cost of the ruler.



(4 marks)

8. Solve the following.

$$\begin{array}{c}
 \text{pear} \quad \text{pear} \quad + \quad \text{apple} \quad \text{apple} \quad \text{apple} \quad \text{apple} \quad \text{apple} \quad \text{apple} \quad \text{apple} \quad \text{apple} \quad = \quad \text{€6.25}
 \end{array}$$

$$\begin{array}{c}
 \text{pear} \quad \text{pear} \quad + \quad \text{apple} \quad \text{apple} \quad \text{apple} \quad \text{apple} \quad \text{apple} \quad = \quad \text{€4.75}
 \end{array}$$

What is the cost of one apple?

Ans: _____

(3 marks)

END OF NON-CALCULATOR PAPER