



**ST. NICHOLAS COLLEGE
RABAT MIDDLE SCHOOL**

**Level
7 - 8**

HALF-YEARLY EXAMINATIONS – FEBRUARY 2017

YEAR 7

MATHEMATICS Level 7 - 8

TIME: 30 mins

Non Calculator Paper

Question	1	2	3	4	5	6	7	8	NC
Mark									

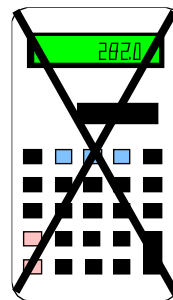
DO NOT WRITE ABOVE THIS LINE

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 **three billion, two million, one hundred and five** in figures.

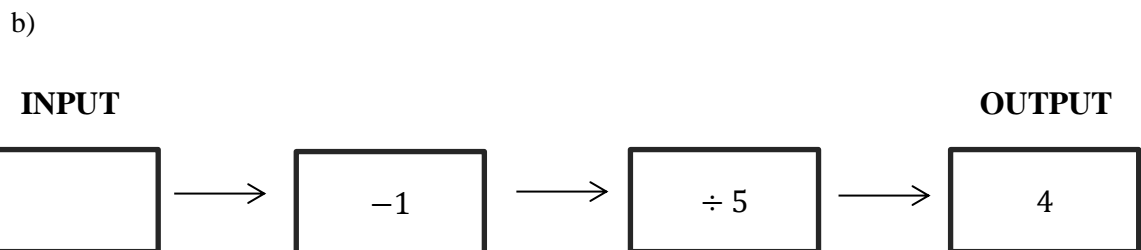
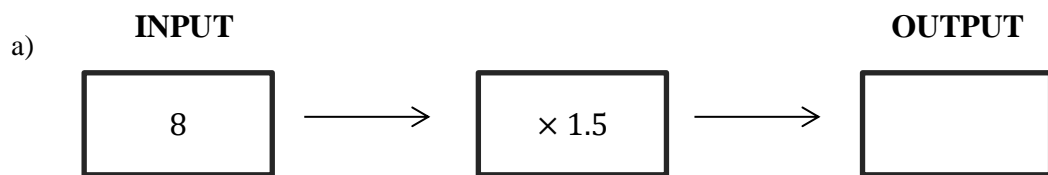
Peter writes 3,020,001,005 while Jane writes 3,002,000,105

a) Who is correct? _____

b) Write Peter's answer in **words**.

(2 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
km	$\times 1000$	
	$\div 60$	minutes
	$\div 24$	

(3 marks)

4. (a) Maria uses the partitioning method to work out 482×49 .

Fill in her working in the table below:

	400	80	2
40			
9			

$482 \times 49 =$ _____

- (b) Joseph suggested working this out as 482×50 .

(i) Work out 482×50 .

$482 \times 50 =$ _____

(ii) What does Joseph need to do next to find the answer for 482×49 ?

(6 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 $\frac{6}{14}$.

$\frac{\square}{\square}$	$\frac{\square}{\square}$	$\frac{\square}{\square}$
---------------------------	---------------------------	---------------------------

(3 marks)

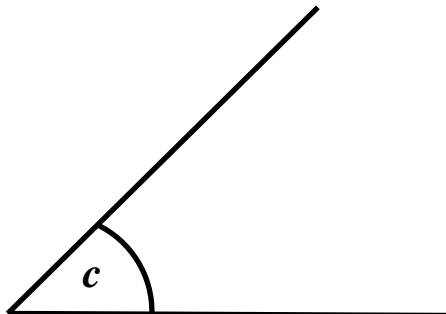
6. **Estimate:**

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



Length AB = _____ cm

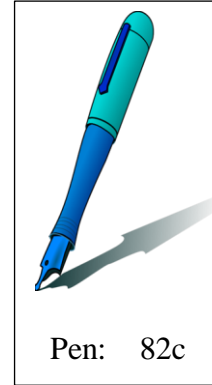
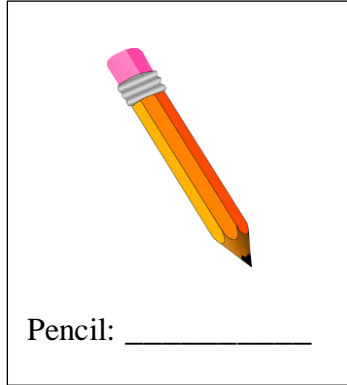
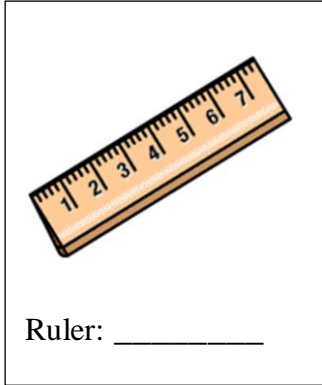
b) The **size** of angle *c*.



Angle C = _____ °

(2marks)

7. Mary buys a pencil, a pen and a ruler. The **change** she gets from a €5 note is €2.65. The cost of the pen is 82c and the cost of the ruler is 13c **more** than the pen. Work out the cost of the pencil and the cost of the ruler.



(4 marks)

8. Solve the puzzle by finding the missing total (?).

○	+	△	=	4		
		△	+	□	=	10
○	+			□	=	8
○	+	△	+	□	=	?

○ = _____ △ = _____ □ = _____ ? = _____

(2 marks)

END OF NON-CALCULATOR PAPER