ST NICHOLAS COLLEGE
HALF YEARLY PRIMARY EXAMINATIONS
February 2014

YEAR 6	Mathematics (Written Paper)	TIME: 1 h 15 min

Name: _____   Class: _____

Total Mark

_____
80

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1. Write the **value** of **6** in each number:

a) <u>6</u>457 =

b) 0.<u>6</u>   =

c) <u>6</u>.57 =

d) 2<u>6</u>79 =

2.

a) **Round** 1284 to the nearest **hundred**.   _____

b) **Round** 1284 to the nearest **thousand**.   _____

c) **Round** 49.3m to the nearest **metre**.   _____

d) **Round** €27.85 to the nearest **euro**.   _____

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3. To answer use the following digits: **9 4 3 7.**

a) Using each digit only once write the **smallest whole number.**

b) Using each digit only once write the **largest** possible **whole even number.**

c) Using each digit only once, write a number which, when **rounded** to the **nearest hundred** is **7500.**

_____

4. Use the **number cards** below to complete the following calculations. Every card has to be used once in the spaces provided.
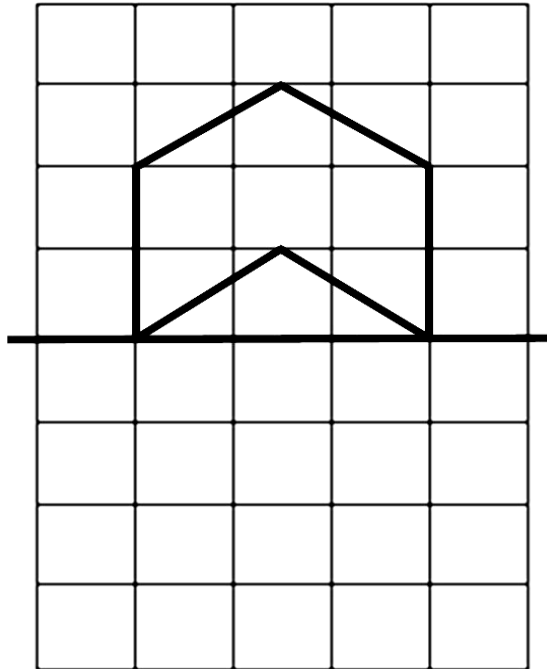

1 2 3 4 5 6 7 8 9

| a) | | | + | 1 | 9 | 9 | = | 4 | 4 | 4 |

| b) | | | | – | | | | = | 5 | 8 | 6 |

5. Use a **ruler** to complete the drawing below to make a **symmetrical shape.** The bold line in the middle is the line of symmetry.

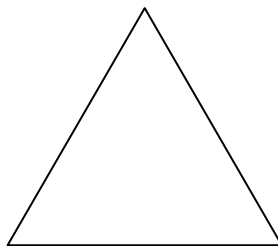a)

b) Draw the **lines of symmetry** of these shapes:
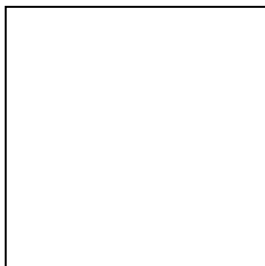
Shape A   Shape B   Shape C

6. Tom has 18 stamps. He gives $\frac{1}{2}$ of the 18 to his sister and $\frac{1}{3}$ of the 18 to his brother.

a) His sister receives _____ stamps.

b) His brother receives _____ stamps.

c) What fraction of stamps does Tom have now?
   Circle the correct fraction.
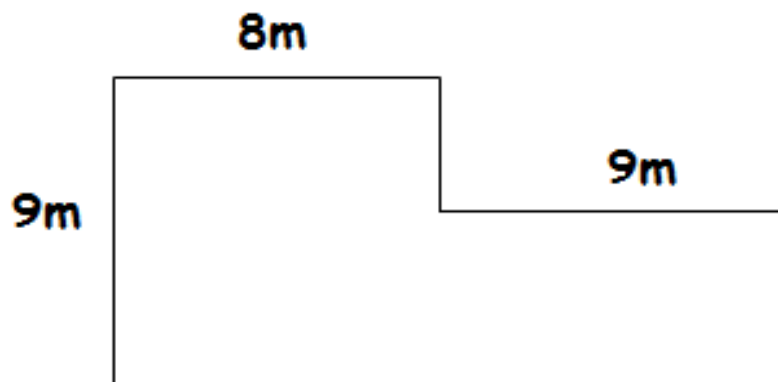
$$\frac{1}{2} \qquad \frac{11}{18} \qquad \frac{1}{6} \qquad \frac{1}{3} \qquad \frac{7}{9}$$
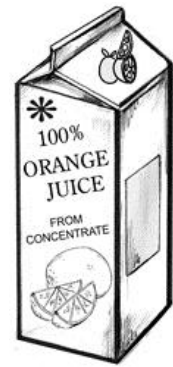
_____

7. This is the shape of a living room.

   The perimeter of the room is _____.

8m

9m

9m

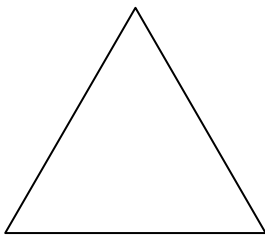**8.** John buys **2.5 litres** of orange juice.

a) Change 2.5 litres into millilitres.

$$\boxed{ \text{mℓ}}$$

b) How many 200 mℓ glasses can he fill?

$$\boxed{}$$

c) How many millilitres of orange juice are left?

$$\boxed{ \text{mℓ}}$$

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9. Look at these triangles.
Say what kind of triangles they are.
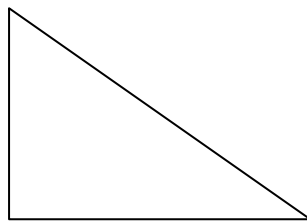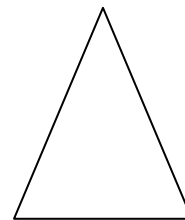
A   B   C

a) **A** is _____.

b) **B** is _____.

c) **C** is _____.

10. There are 49 metal rods.
Each rod weighs 24.8 kg.

a) Give an **estimate** for the total weight of these metal rods.

kg

b) Find the exact weight of all the rods.

kg

c) Each metal rod is 2.4m long.
The rods are placed end to end in a line.
How long is the line of metal rods?

m

11. These are the opening times of a Science Museum.

Monday	Closed
Tuesday to Friday	11.00 am to 6.30 pm
Saturday	10.00 am to 6.00 pm
Sunday	10.30 am to 4.30 pm

a) For how many hours is the Museum open on Saturdays?

hrs

b) Andrew arrived at the Museum at 5.00 pm on a Thursday. He stayed there till closing time. How long did he stay there? Give your answer in minutes.

mins

c) For how many hours is the Museum open in a week?

hrs

12. What number am I?

51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	

I am larger than 50 but less than 100.

I am an odd number.

I am a multiple of 9.

I am not a square number.

My digits are different.

I am [   ]

13. John and Mary work 7 hours a day in a hotel.

Each employee works 6 days a week.

John is paid €57.40 a day.

Mary is paid €8.10 an hour.

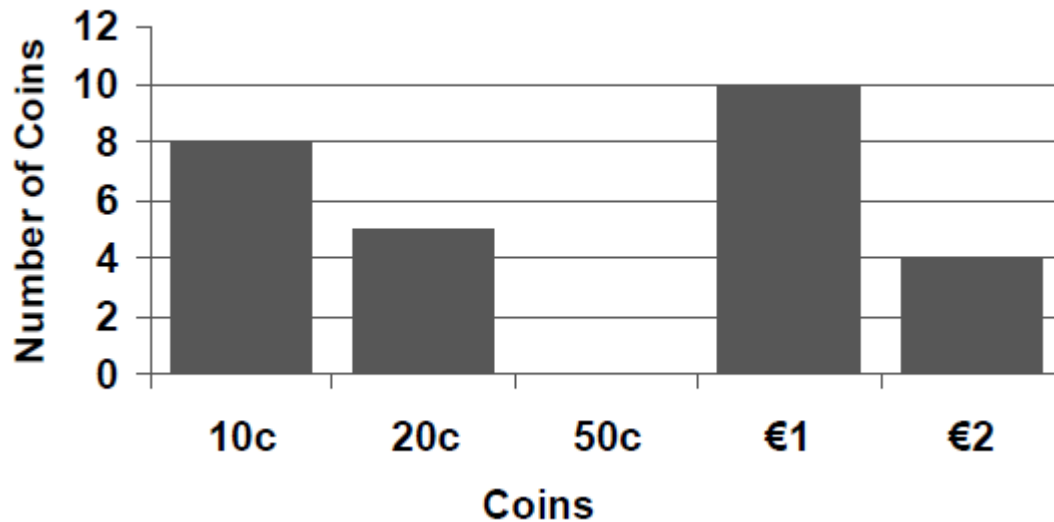a) Work out how much each is paid **every week**.

John is paid € _____

Mary is paid € _____

b) Who earns more, John or Mary?   _____

c) By how much?   € _____

_____

14. The graph shows the number of coins in Nicole's money box.

Complete.

a) Nicole has _____ €1 coins.

b) The number of 10c coins and 20c coins altogether is

_____ coins.

c) There are _____ more €1 coins than €2 coins.

d) There are 7 coins of 50c amounting to €3.50 in the money box. Show the number of 50c coins on the graph.

e) How many more coins does Nicole need to save to have a total of 50 coins in her money box? _____ coins

15. Five teams took part in a football competition. Each team played eight games. The table below shows the number of games each team won, drew or lost and the points gained. (Some points which are missing have to be filled in by you.)

	WON	DREW	LOST	**POINTS**
Team A	1	3	4	6
Team B	2	2	4	8
Team C	6	1	1	
Team D	3	3	2	
Team E	2	3	3	

a) How many teams won more games than they lost?

teams

b) Each team scores   three points for a win,

one point for a draw and

no points for a loss.

Complete the table by filling in the blanks.

c) Which Team won the competition?

16.

Joe bought 3 pens and 3 rubbers.   He spent €1.83 altogether.
Kim bought 2 pens and 3 rubbers. She spent €1.59 altogether.

a) How much does one pen cost?

b) Jane bought 4 pens and 6 rubbers. How much did she spend?

c) Peter bought 7 pens and 8 rubbers. How much did Peter spend?

End of paper

Marks' distribution numbers 1 - 4   4 marks each   (16 marks)
5 – 12   5 marks each   (40 marks)
13 - 16   6 marks each   (24 marks)