



Half Yearly Examinations
Maria Regina College

Scholastic Year 2015 / 2016

YEAR 5

WRITTEN MATHEMATICS

TIME: 1hr 15min

Name: _____

Class: _____

School: _____

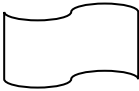


Total
mark

80

1. Complete the sums:

a)	16, 20, _____, 28, 32, _____.						
b)	The value of 9 in 4692 is _____.						
c)	$465 + 83 =$ _____.						
d)	$100 - 65 =$ _____.						
e)	If I add 46, 32 and 11 my answer will be: ODD <input type="checkbox"/> EVEN <input type="checkbox"/>						
f)	Tick (✓) the sum which gives a total of 1. <table border="1" style="display: inline-table; margin-right: 20px;"><tr><td>$0.2 + 0.8$</td><td><input type="checkbox"/></td></tr></table> <table border="1" style="display: inline-table; margin-right: 20px;"><tr><td>$0.2 + 0.08$</td><td><input type="checkbox"/></td></tr></table> <table border="1" style="display: inline-table;"><tr><td>$0.01 + 0.9$</td><td><input type="checkbox"/></td></tr></table>	$0.2 + 0.8$	<input type="checkbox"/>	$0.2 + 0.08$	<input type="checkbox"/>	$0.01 + 0.9$	<input type="checkbox"/>
$0.2 + 0.8$	<input type="checkbox"/>						
$0.2 + 0.08$	<input type="checkbox"/>						
$0.01 + 0.9$	<input type="checkbox"/>						
g)	Use the figures 8, 1, 0, 9 to make the largest ODD number. _____						
h)	$56 \times 4 =$ _____						

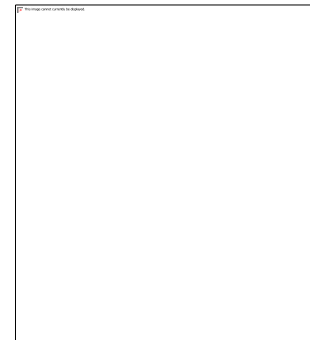
i)	How many hours and minutes are there in 130 minutes ? _____ hours _____ minutes.
j)	i) A polygon with 5 sides is called a _____. ii) Is this a polygon?  Circle the correct answer: YES or NO
k)	Write an improper fraction for $2\frac{3}{4}$: _____
l)	$\frac{1}{2}$ a metre is _____ cm.

(24 marks)

2. Who am I? Read the clues and guess the number. You can show your workings.

- a. I am a multiple of 2.
I am a multiple of 5.
I am a number between 60 and 80.

I am the number _____



- b. I am a multiple of 3.
I am a multiple of 4.
I am greater than 20 but less than 30.

I am the number _____

- c. I am a two digit number.
I am an odd number.
The sum of my two digits makes 11.
The difference between my two digits is 1.

I am the number _____

(4 marks)

3. The year 5 classes are going on a school outing.
There are **54 children** in all.



- a. There are 28 girls. How many are boys?

_____ boys

- b. The coach can only hold 25 passengers.
How many coaches are needed in all for the whole group?

_____ coaches

- c. Each child pays €1.50 for the outing.
How much money in euro is collected from the whole group?

€ _____

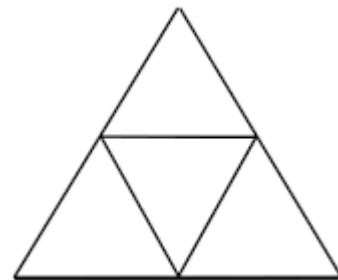
(4 marks)

-
4. Shade to show these fractions. Use a ruler to divide shape in (b).

a. $\frac{1}{3}$



b. $\frac{1}{2}$

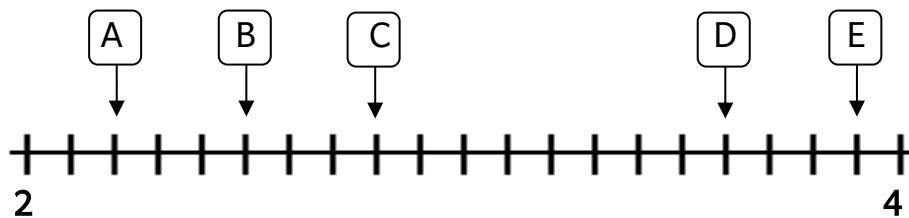


- c. I have a bag containing 36 buttons.
 $\frac{1}{3}$ of them are red.
 The rest are yellow.
 How many yellow buttons are there?



(4 marks)

5. a. Write down the number shown by each arrow on the number line below.
 The first one has been done for you.



A = 2.2 B = C = D = E =

- b. Find the **total** of all the 5 values.

- c. What is the **difference** between the largest and the smallest numbers?

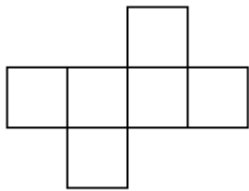
(4 marks)

6. Match the nets

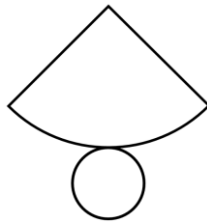
a) to the complete 3-D shapes

b) to their properties

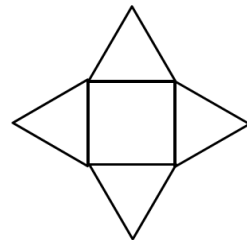
The first one is done as an example.



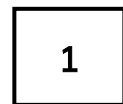
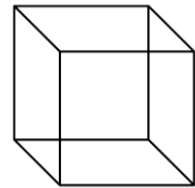
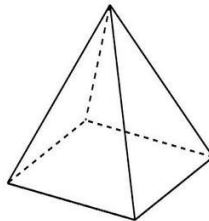
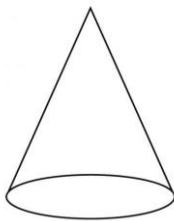
1



2



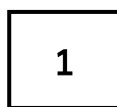
3



I have
5 vertices



All of my faces
are squares



I have
2 faces



(4 marks)

7. a. John is baking a cake for a birthday party for 10 people.

He needs these ingredients:

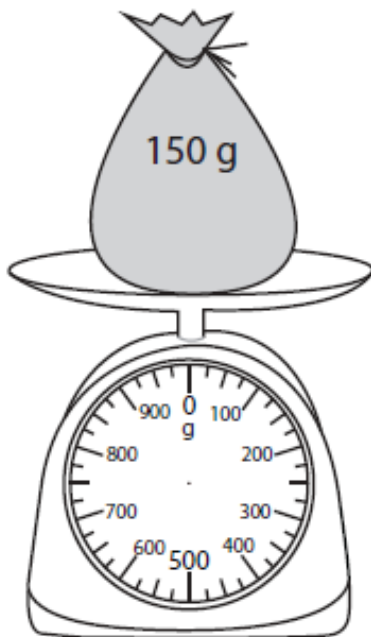
250g butter
500g flour
4 eggs
200g sugar



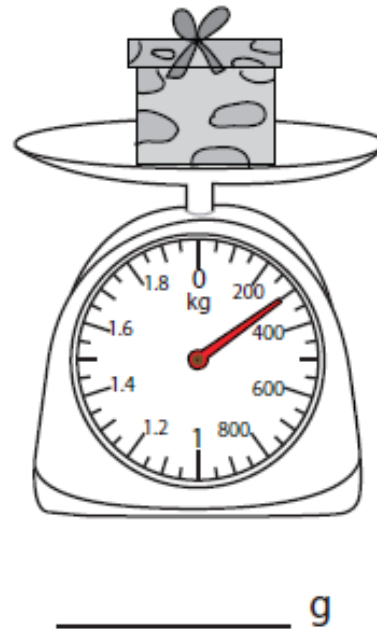
However more people are coming to the party.
John doubles the recipe to make a
bigger cake.

___g butter
___g flour
___ eggs
___g sugar

b. Mark with an arrow the amount of grams on the scale.



c. How much does the present weigh?



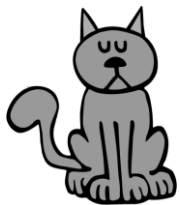
d. Look at the weights below. Write the correct weight in the boxes, under the corresponding pictures.

30 kg

8 g

5 kg

350 g



an adult cat



a nine year old boy



a mug



a pencil

(6 marks)

8. Look at the TV Guide and answer the questions.

TV Guide	
8:50 a.m.	Cartoons
9:30 a.m.	Schools programme
12:56 a.m.	Weather Update
1:00 p.m.	News
1:35 p.m.	Splash Art

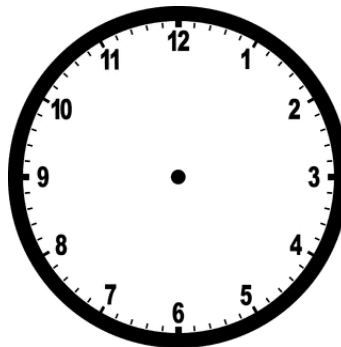
a. Write the time in words when the Schools programme begins:

_____.

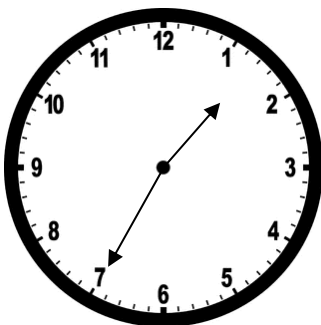
b. At 4 minutes to 1 there is the

_____.

c. Draw the hands on the clock to show the time when the Cartoons begin.



d.



This is the start time of

e. From the start of the Schools programme to the start of the News, there are

3 hours 30 minutes. This is equal to _____ minutes.

(6 marks)

9. A crate with 10 oranges weighs 1 kg 350g. The crate weighs 450g.



a. How much do the oranges weigh?

_____ g

b. What is the weight of 1 orange?


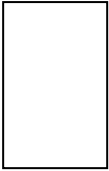
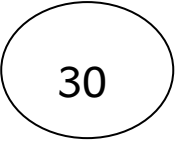
_____ g

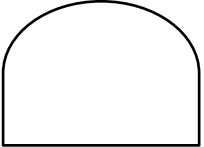
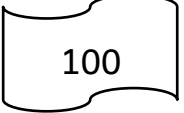
c. I buy 8 oranges in a crate. What is the **total weight** of the oranges and the crate?

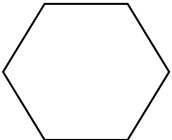
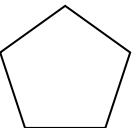
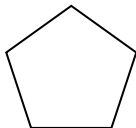
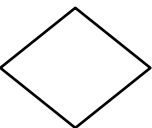
(6 marks)

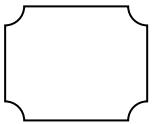
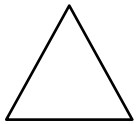
10. Work out the value of each shape below.

Each **similar shape** represents the same number.

a.  +  +  = 100

b.  ÷  = 468

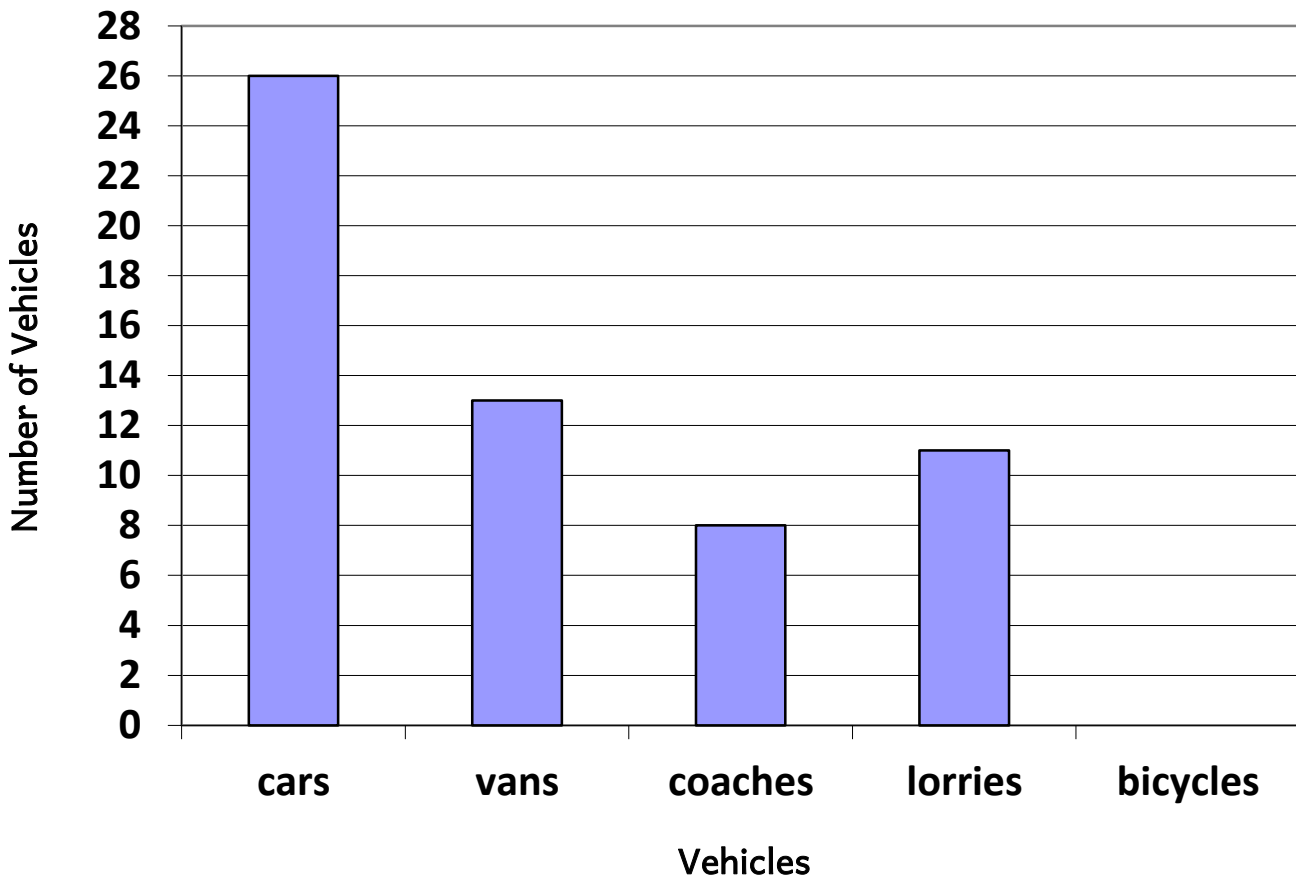
c.  +  +  +  = 100

d. $(5 \times \text{ }) + (5 \times \text{ }) = 230$

(6 marks)

11. The table shows vehicles on the ferry to Gozo.

Vehicles	cars	vans	coaches	lorries	bicycles
Number of vehicles	26	13	8		4



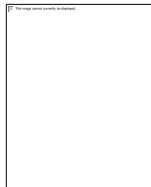
- Complete the table above.
- Complete the graph.
- There were 9 less bicycles than _____.
- Altogether there were _____ cars, vans and coaches.
- Cars pay €12 to board the ferry. How much do they pay in all?

(6 marks)

12.



Chicken soup: 8 tins = €3.60



Mushroom soup: 4 tins = €2.00

a. John says that buying 8 tins of mushroom soup is **cheaper** than buying 8 tins of chicken soup.

Is it true? Mark with a ✓ in the box.

Yes		No
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Explain _____

b. John has €10. He buys 10 tins of mushroom soup and some tins of chicken soup. **Work out how many tins of chicken can he buy with the least change.**

	tins of chicken soup	+	10	tins of mushroom soup
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(6 marks)

END OF PAPER

MARKING SCHEME

nos. 1a – l	12 x 2 = 24	
2 – 6	5 x 4 = 20	
7 – 12	6 x 6 = 36	Total = 80