



St Margaret College
Half Yearly Examinations 2013

Year 6

Mathematics

Time: 1hr 15mins

Name: _____ **Class:** _____

1. Fill in

a)	$265 + 98 =$	<input type="text"/>
b)	$3200 - 3119 =$	<input type="text"/>
c)	$236 \times 2 =$	<input type="text"/>
d)	$490 \div 7 =$	<input type="text"/>

(4 marks)

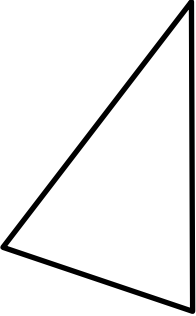
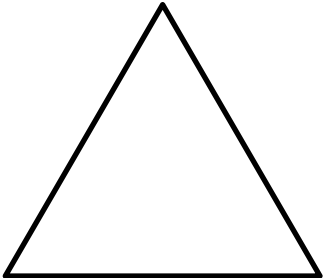
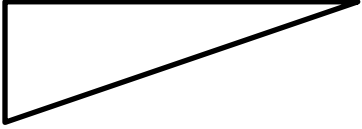
2. Underline the best estimate:

a) a passenger car weighs (1000g, 1000kg, 5kg)

b) a bottle of wine holds (15,000ml, 3500l, 750ml)

(2 marks)

3. Name these triangles:

		
i.	ii.	iii.

(3 marks)

4. Look at the figures below.

150	390	150.01	2345
-----	-----	--------	------

a) Which figures are not divisible by 2?

--	--

b) Which figure is a multiple of 50?

--

c) Which figure will make 400 if added by 10?

--

d) Put the figures in descending order.

--	--	--	--

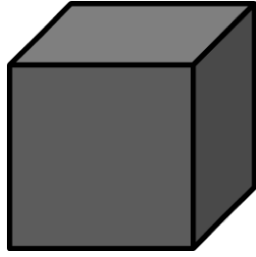
e) Draw the following lines:

i) a line 6cm long

ii) a line 75mm long

(6 marks)

5. Fill in the table about these 3D shapes.



How many?	Cube	Sphere
Faces		
Edges		
Vertices		

(6 marks)

5. Work out these sums.

a) What is one third of 60?

b) Write a fraction which is bigger than $\frac{1}{2}$. $\frac{\square}{\square}$

c) Work out $\frac{1}{10}$ of 220.

d) $99 + \underline{\quad} = 134$. Find the missing number.

e) A fraction of 140 is 14. What is it? $\frac{\square}{\square}$

(5 marks)

8. A family decides to go on a trip to France. Each adult has to pay €420 and each child has to pay €120. There are 2 adults and 3 children in the family. The family will take 25kg of luggage for **each** of the **adults** and 10kg for **each child** with them.

a) How much will it cost for the whole family to go on this trip?

b) The travelling agency warned the family not to carry excess luggage as otherwise they will be fined. The maximum allowed is 150kg for the entire family. Will they be fined?

(4 marks)

9. A biscuit factory produces 5500 biscuits an hour. The factory opens from Monday to Friday from 07.00 till 16.00. The workers have a one hour break.

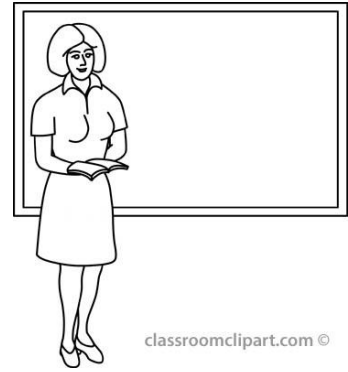
a) How many hours do the workers work per week?

b) The factory manager wants to put the biscuits in a packaging which contains 55 biscuits. How many packets would the factory make in one week?

(4 marks)

10. In a class there are 24 students. During the day, the teachers asks

- a) $\frac{1}{4}$ of the pupils to do some extra work.
- b) $\frac{5}{8}$ of the pupils to revise their maths work.
- c) $\frac{7}{12}$ of the pupils to work on the computer



Work out the amounts for:

- a)
- b)
- c)

(5 marks)

11. A car dealer has 266 cars in stock. He has 3 warehouses in which he stores his cars. Each warehouse can take 80 cars. The rest have to be parked in a car park.

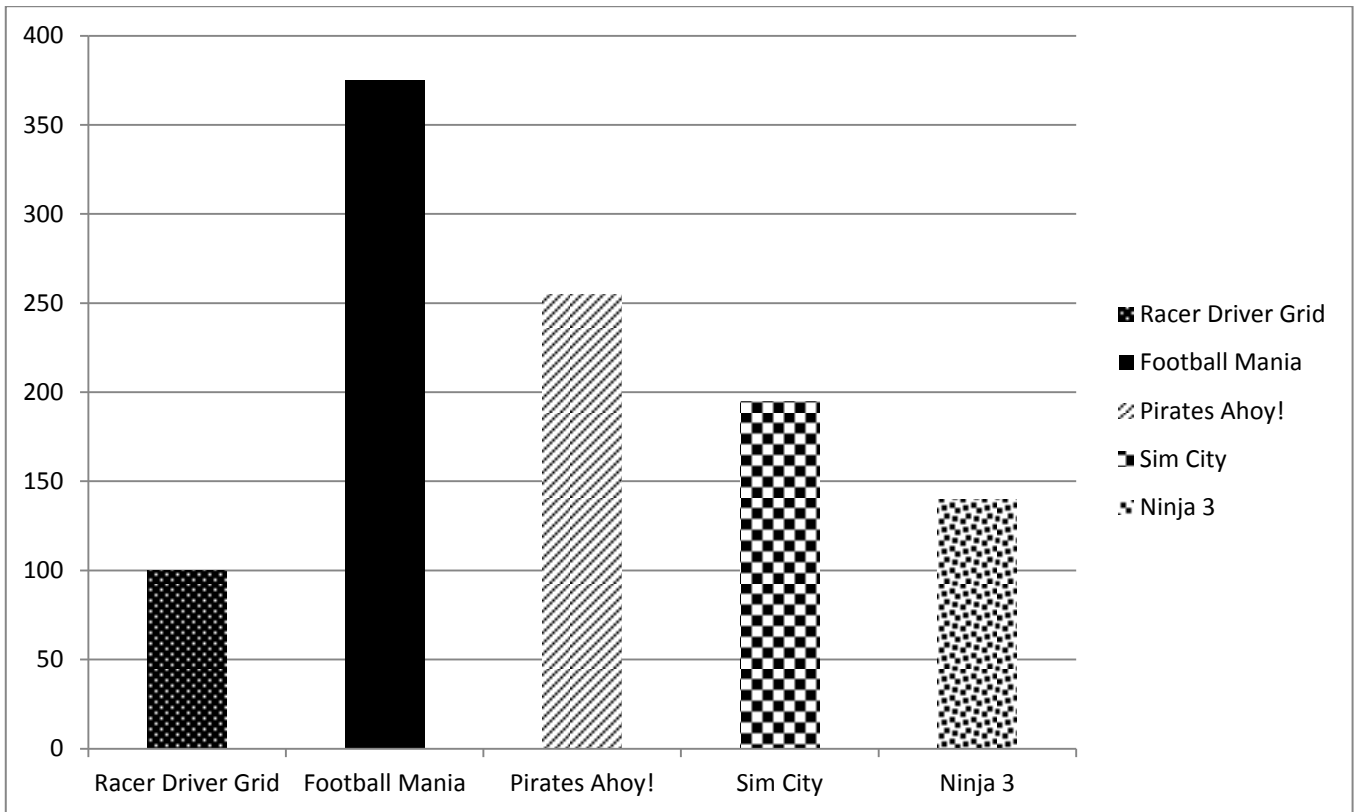
- a) How many cars does he have to park in the car park?

- b) If the car dealer has to pay €3 a week for parking the cars in the car park, what will be the total cost per week?

- c) The dealer uses 6 €100 notes to pay for a week's parking. How much change does he get?

(6 marks)

12. This graph shows the number of computer games sold last year.



a) Which is the most popular game?

b) Which is the least popular game?

c) Which is the most popular game after *Pirates Ahoy!*?

d) Which game sold more than 200 but less than 300?



(4 marks)

13. A new house is being built in Rabat. The house has a garden which has the shape of a square. The area of the garden is 25m^2 .

a) Find the length and breadth of the garden. Give your answer in cm.

b) Find the perimeter of the garden. Give your answer in m.

c) $\frac{1}{5}$ of the garden will be planted with flowers. What is the area of the flower bed? Give your answer in m^2 .



d) The garden will be fenced. The fencing costs €7.50 per metre. How much will it cost to fence the outside perimeter of the garden?

(6 marks)

14. Fill in the following information

October 2012						
Sun	Mon	Tues	Wed	Thu	Fri	Sat
30	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	1	2	3

Joe goes to school every day.

a) How many **school days** are there in October?

b) How many **Sundays** are there in October?

c) Joe needs to make an appointment with the dentist on the **fifth day** of the month and will also go abroad **six days later**. What are the dates he needs to mark?

(4 marks)

15.

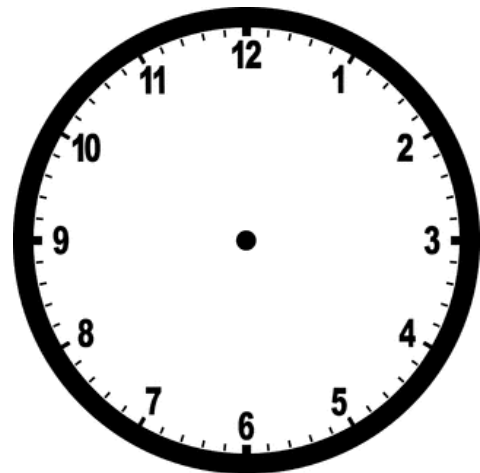
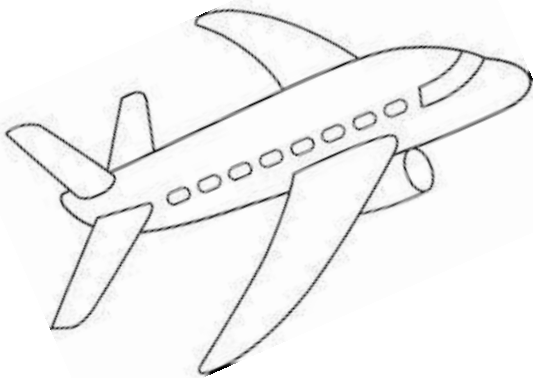
Flights leaving from Malta on 12/01/2013			
Flight Number	Destination	Departure Time	Arrival Time
Flight 1	Rome	09:30	11:05
Flight 2	Paris	09:45	12:45
Flight 3	Athens	10:10	12:10
Flight 4	Florence	12:15	14:15

a) How much did **flight 1** and **flight 2** each take to arrive to their destination?

Flight 1 took

Flight 2 took

b) Mark the arrival time of flight 3 on the clock.



c) Write all arrival times in a 12hr clock.

i) Flight 1

ii) Flight 2

iii) Flight 3

iv) Flight 4

(8 marks)

16. Peter is planning his birthday party. He is thinking of inviting up to 30 of his friends. He is allowed to spend up to €100 for the food for the party.

a) Estimate how much money Peter can spend on food per person.

Peter decides to buy the following items per person:

- 2 pizzas at 25c each
- 1 sandwich at 20c each
- 1 sausage roll at 35c each
- 1 pie at 50c each
- 1 ice-cream tub at 70c each

b) How much will the food cost per person?

c) How much money will Peter spend if he buys food for 35 people?

d) Peter uses the remaining money to buy his birthday cake. How much money can he spend on his cake?



(8 marks)

END OF PAPER