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Creative, Innovative, Professional

HALF YEARLY EXAMINATIONS
Maria Regina College
Scholastic Year 2014/2015

YEAR 6

WRITTEN MATHEMATICS

TIME: 1hr 15min

Name: _____

Class: _____

School: _____

Total
mark

80

1. Work out

a) $238 + 62 =$ _____

b) $2418 - 1018 =$ _____

c) $100 \times$ _____ $= 3800$

d) $714 \div 7 =$ _____

(4 marks)

2. a. Round 1275 to the nearest:-

(i) ten \rightarrow _____

(ii) hundred \rightarrow _____

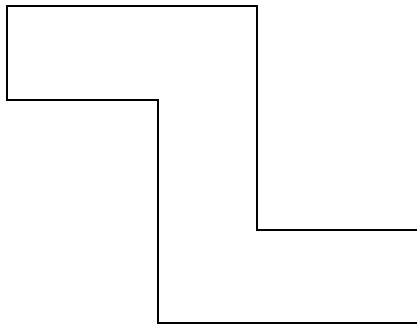
b. Round 17.92 to the nearest:-

(i) tenth \rightarrow _____

(ii) whole number \rightarrow _____

(4 marks)

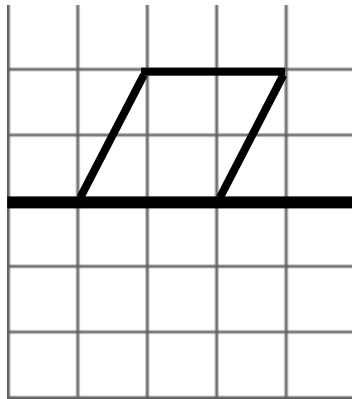
3. a) How many **horizontal** and **vertical** lines does this shape have?



(i) Horizontal lines = _____

(ii) Vertical lines = _____

b. Draw the **reflection** of this shape



(4 marks)

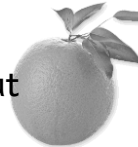
4. Tick the correct box in the following statements

a) The **length** of an ant is about

9mm	9m	0.9m
-----	----	------



b) The **weight** of an orange is about



0.2kg	20kg	2g
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c) The **length** of a pen is about



1.7cm	0.17m	17m
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d) The **distance** from Birkirkara to Valletta is about



0.6 km	6m	6km
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(4 marks)

5. In a cinema, there are 223 people. Each ticket costs € 2.50.



a) How much do they pay **altogether**?

Ans.€ _____

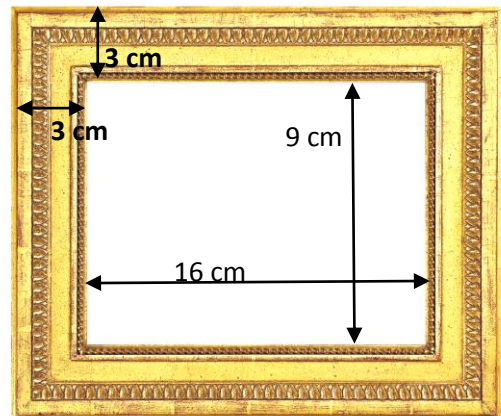
b) Change your answer to the **nearest ten Euro**.

Ans. € _____

(4 marks)

6. A picture is 16cm by 9cm. The picture is put in a frame which has a border of 3cms.

a) Find the **perimeter** of the picture.



Ans. _____cm

b) Find the **perimeter** of the frame.

Ans. _____cm

(4 marks)

7. What number am I?

Start here:-
8, 28, 13, 25, 22,
49, 14, 84, 42

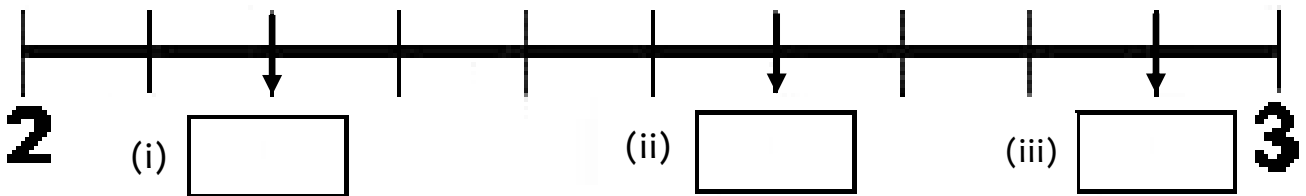
List the even numbers

My digits add up to 12
I am _____

List the multiples of 7

My tens are double the units

(5 marks)



8. a) Fill in the empty boxes. Choose from:-

2.90	22	2.2	2.06	$2\frac{6}{10}$	$2\frac{9}{100}$
------	----	-----	------	-----------------	------------------

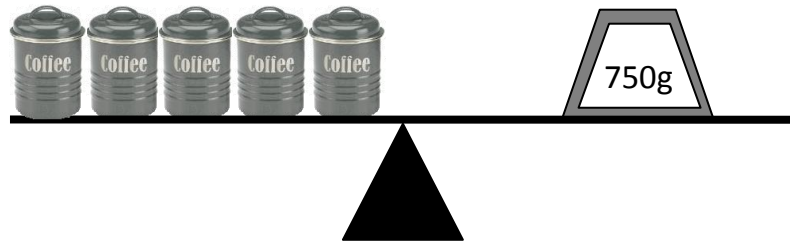
b) Mark with an arrow $2\frac{3}{4}$ and name it A.

c) Subtract 2.2 from 3.

Ans. _____

(5 marks)

9. Each jar of coffee is of the same weight



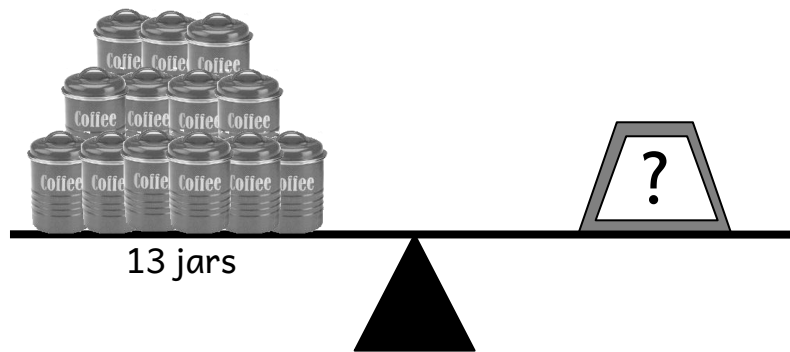
a) Put 750 g as a fraction of 1 kg.

Ans. _____

b) What is the weight of each jar?

Ans. _____ g

c)



If 13 of the **same jars** are put on the scale, what will their **total weight** be?

Ans. _____ kg

(5 marks)

10. Tania is going on a trip to Italy. She has these five objects in her luggage.



Gift
3 kg 175 g



Laptop
2.25 kg



Diary
550 g



Trainers
0.75 kg



Clothes
4 kg 25g

a) What is the **total weight** of these 5 objects?

Ans. _____

b) At the airport she is told that she can only carry 10 kg in her luggage. What **object** must she remove so that the weight of the luggage is exactly 10 kg?

Ans. _____

c) Tania decides to keep this object. She has to pay €10 for every 500 g extra weight. How much does she pay?

Ans. € _____

(5marks)

11. Fill in with the appropriate **symbol**. Each symbol can be used more than once.

+	-	÷	X
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a) € 0.25 4 = € 1


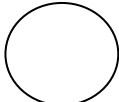

b) 4.5 km 1½km = 6 km

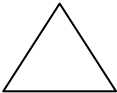
c) 1 kg ¾ kg = 250 g

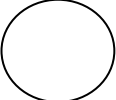
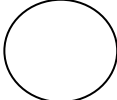
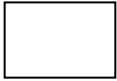
d) 50 g 100 g = 5 kg

e) ½ m 2 = 25 cm (5 marks)

12. Each shape stands for a number. The number in each row and column are added up. Some of the totals are filled in. Find the missing **totals** and **value of each shape**.

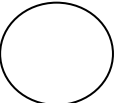
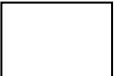

		 ⇒ <u>20</u>
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		 ⇒ <u>18</u>
---	---	---

		 ⇒ c) _____
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a) _____ b) _____ 24

Ans.  = _____  = _____  = _____

(6marks)

13. Family Vella are going to the Water Fun Park. This family consists of Mr. Vella, Mrs. Vella and their two children.

Entrance Fee

Adults €8.50

Children €5.50

Family Pack (2 adults+2 children) € 25



a) How much would they save by choosing the **Family Pack** option?

Ans. € _____

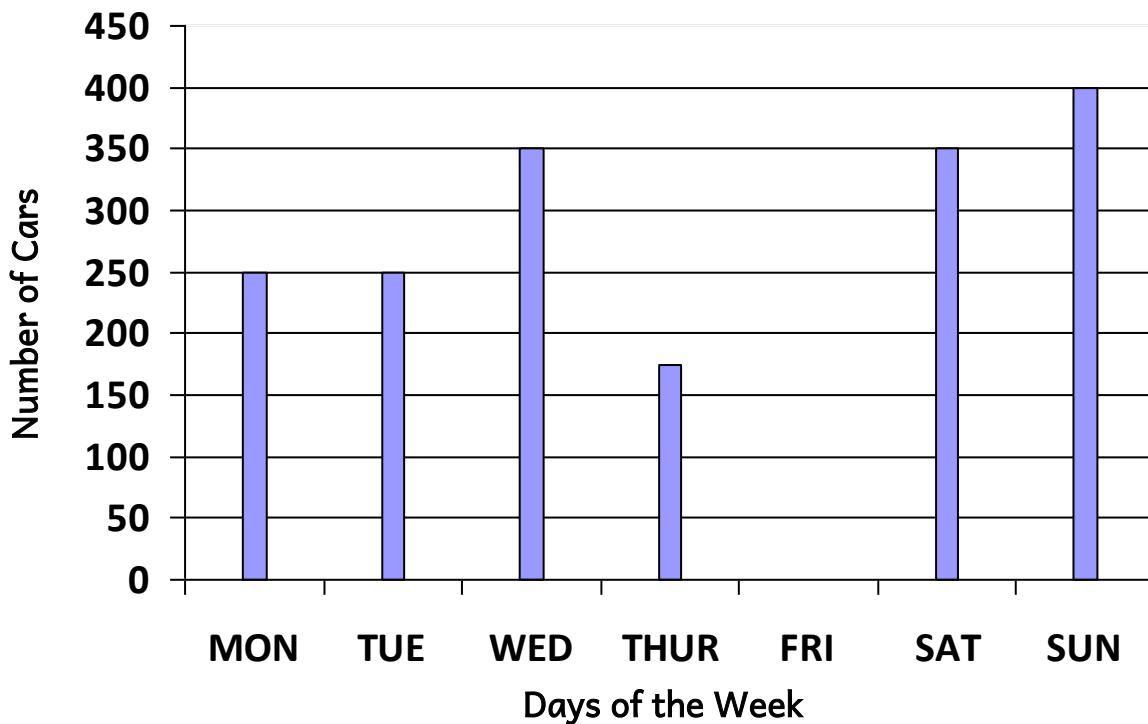
b) Family Vella decides to take their **young cousin** with them. Should they still choose the family pack?

(i) Yes / No _____

(ii) Why?

(6 marks)

14. The Local Council is doing a traffic survey to see how many cars pass through the main road every day.



a) How many cars were counted on Thursday?

Ans. _____ cars

b) How many **more** cars passed on Sunday than on Thursday?

Ans. _____ cars

c) In one week a total of 2000 cars passed through the main road. Continue the graph to show how many cars were counted on Friday?

d) The Local Council decides to organize a Car Free Week. $\frac{2}{5}$ of the total cars were not on the road. How many cars were **on the road**?

Ans. _____ cars

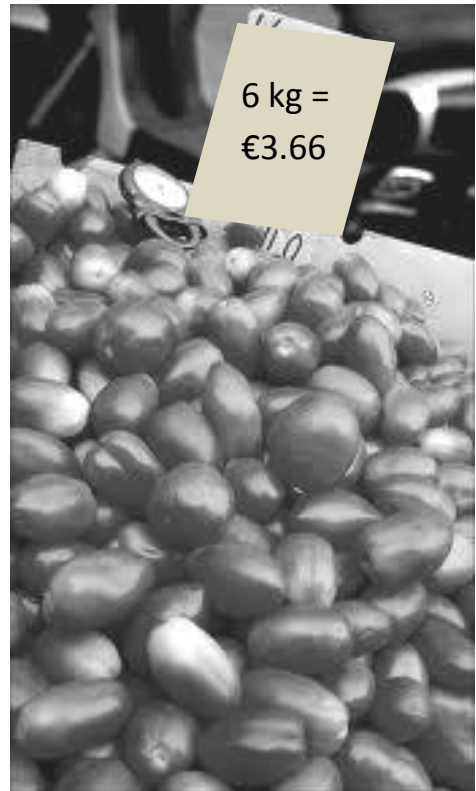
(6 marks)

15. Grandma goes to the supermarket. She wants to buy some tomatoes. Six kilograms of tomatoes cost €3.66

Find the **cost** of:-

a) 1 kg tomatoes costs

Ans. € _____



b) 12 kg tomatoes cost

Ans. € _____

c) 15 kg tomatoes cost

Ans. € _____

(6 marks)

16. Tony buys 48 stickers. $\frac{2}{3}$ are football stickers. Ten of the stickers are baseball stickers. The rest are car stickers.

a) How many **football stickers** does he have?

Ans. _____

b) What **fractions** of the stickers are car stickers? Give your answer in its **simplest form**.

Ans. $\frac{\square}{\square}$

c) Football stickers cost 12c each

Baseball stickers cost 15c each

Car stickers cost 11c each.

How much does Tony spend on stickers?

Ans. € _____

(7 marks)

END OF PAPER

MARKING SCHEME	Nos.	1 - 6	6×4	=	24
		7 - 11	5×5	=	25
		12 - 15	4×6	=	24
		16	1×7	=	<u>7</u>
				TOTAL	<u>80</u>