



St Margaret College
Half Yearly Examinations 2015

Year 6

Mathematics

Time: 1hr 15 mins

Name: _____ Class: _____

1. Work out:

a) $136 + 364 =$ <input type="text"/>	b) $200 - 78 =$ <input type="text"/>
c) $60 \times 70 =$ <input type="text"/>	d) $636 \div 6 =$ <input type="text"/>

2. Complete the sequences.

a)	2	4	6	8	
b)	1	2	4	8	
c)	1	4	9	16	
d)	1	3	6	10	

3. Fill in the boxes.

a) A square number between 50 and 100.	
b) A triangular number which is also an even number.	
c) $8.3 \div 10 =$	
d) $\text{€}17 \div 2 =$	

4. Change:

a) 1 l 268 ml = _____ ml

b) 2 kg 50g = _____ g

c) $3\frac{1}{4}$ km = _____ m

d) 4.8 cm = _____ mm

5. Fill in to make a correct calculation.

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		5									

6. Arrange the following:

a) smallest first.

$\frac{1}{4}$ km	2.5 cm	30 cm	30 mm

b) largest first.

$\frac{1}{8}$ kg	450 g	0.4 kg	1.4 kg

7. Fill in the missing factors.

15	
1	15
3	

18	
1	
2	
3	

8. a) Shade $\frac{2}{5}$ of the shapes below.



b) Complete

i) $\frac{3}{4} = \frac{9}{\square}$

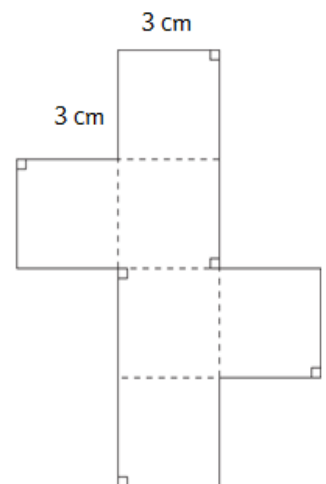
ii) $1 \frac{3}{5} = \frac{\square}{5}$

9. Complete:

a. This is the _____ a
_____.

b. The **perimeter** of this net is _____ cm.

c. The **total area** of this net is _____ cm².



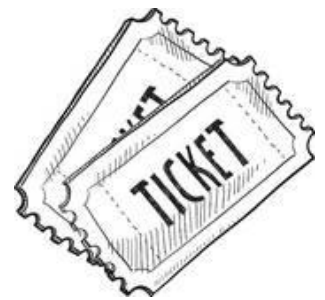
10. In a village there are **600 people**. $\frac{2}{5}$ are **men** and $\frac{1}{10}$ are **children**. The rest are **women**.

a. What fraction are **women**? _____

b. How many **children** are there? _____ **children**.

c. How many **adults** are there? _____ **adults**.

11. Miss Borg has **357 raffle tickets**. She wants to give out all the tickets **equally** amongst her **27 students**.



a. How many will each student get?

_____ tickets.

b. How many tickets will Miss Borg have left over?

_____ tickets.

12a. Write a number having:

- i. three in the tenths place
- ii. eight in the units place
- iii. seven in the thousands place
- iv. four in the hundreds place
- v. nine in the tens place
- vi. six in the hundredths place

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12b. Write 8472.45 to the:

i.	Nearest thousand	
ii.	Nearest hundred	
iii.	Nearest ten	
iv.	Nearest tenth	

13. Mum emptied **four** boxes of chocolates and put them on **6** saucers. There were **14 chocolates** on each saucer and **7** were **left** in the box.

a) How many chocolates were there in all?

_____ chocolates.

b) At the end of the party, Mum found out that $\frac{2}{7}$ of all the chocolates were not eaten. How many chocolates were left?

_____ chocolates.

c) What fraction of the chocolates was eaten?

A fraction bar consisting of two empty square boxes stacked vertically, separated by a horizontal line. The top box is for the numerator and the bottom box is for the denominator.

14. Mr Spiteri, his wife and their two children went on a holiday.



a) They spent **€1764** when they booked their holiday.

They visited _____.

b) Mr Spiteri **saved** €2996 for this holiday. How much money has he **left** after paying for this holiday?

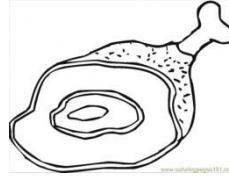
€ _____

c) Mr Spiteri gives the extra money to his 2 children to spend on holiday. If they are staying for 7 days, how much money can each child spend every day?

€ _____

15. Father bought $3\frac{1}{4}$ kg of meat.

a) How many **grams** is this?



_____ g

b) He used **1.75 kg** of the meat. How much meat is **left over**?

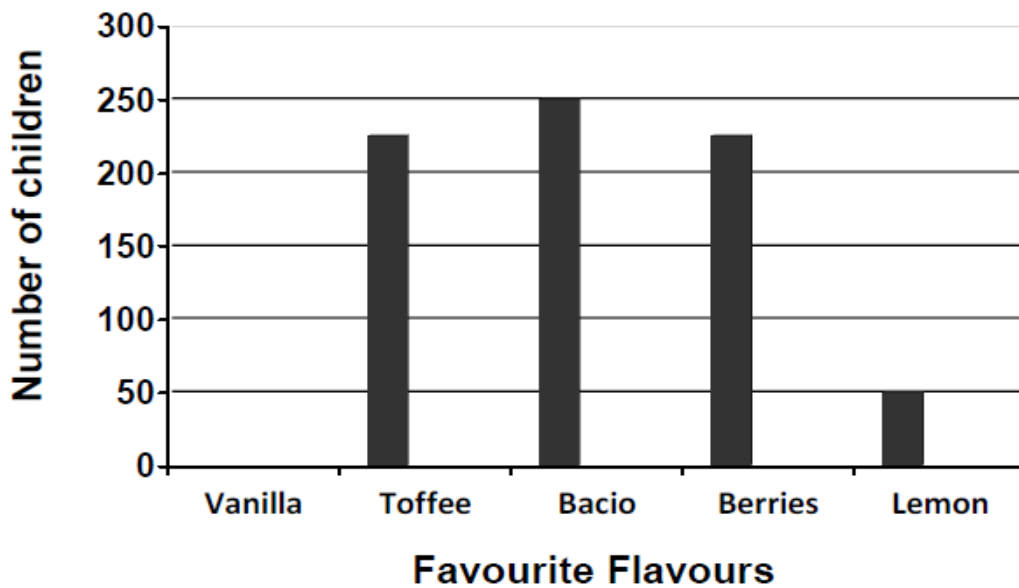
(Give your answer in grams)

_____ g

c) He cut the rest of the meat in portions of **250g** and put them in separate freezer bags. How many **bags** did he need?

_____ bags

16. All the children in a school voted for the favourite ice-cream flavour. The result is shown in the graph below:



a) The number of children liking **vanilla** is **double** that of **lemon**. **Draw** the number of children **preferring vanilla**.

b) Which **two** flavours are **liked equally**?

_____ and _____

c) How many **children** attend this school?

There are _____ children.

d) What **fraction** of the children chose **Bacio** as their **favourite flavour**?

Give your answer in its **lowest terms**.

END OF PAPER

Marking Scheme

Mental Paper	Questions 1 -20	20 x 1 mark	=	20 marks
Written Paper	Questions 1-8	8 x 4 marks	=	32 marks
	Questions 9 - 16	8 x 6 marks	=	48 marks
		Total	=	100 marks