



always

Creative, Innovative, Professional

HALF YEARLY EXAMINATIONS

Maria Regina College

Scholastic Year 2014/2015

YEAR 4

WRITTEN MATHEMATICS

TIME: 1hr 15min

Name: _____

Class: _____


School: _____

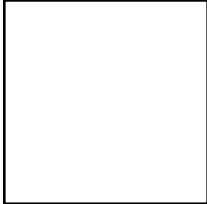



Total
mark

80

1. Fill in:

a)	$14 + 23 + 10 =$ <input type="text"/>
b)	$80 -$ <input type="text"/> $= 20$
c)	<input type="text"/> $\times 3 = 27$
d)	$35 \div 5 =$ <input type="text"/>
e)	Double 15 = <input type="text"/>
f)	94, 84, <input type="text"/> , 64, 54, <input type="text"/>
g)	1 hour 40 minutes = <input type="text"/> minutes
h)	Write the total.  <input type="text"/>

i)	Put a circle around the 2 even numbers . 33 , 28 , 59 , 71 , 86 , 97
j)	Draw all the lines of symmetry on these shapes. <div style="display: flex; justify-content: center; align-items: center; gap: 50px;">   </div> <div style="text-align: right; margin-top: 20px;">(20 marks)</div>

2. Look carefully at the numbers below.

50

800

9

- a) Write the number made with this set of cards.
- b) Write the number in **words** _____
- c) Write the **value** of the **underlined digit**.

456 → _____

319 → _____

(4 marks)

3. Fractions

a) What **fraction** of this shape



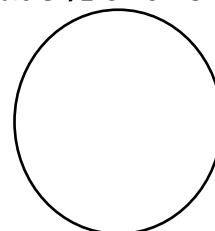
(i) is **shaded**? _____

(ii) is **not shaded**? _____

b) Shade $\frac{1}{4}$ of this shape.



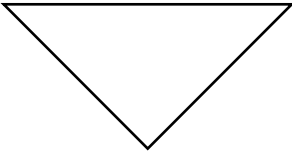
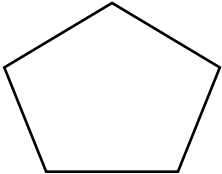
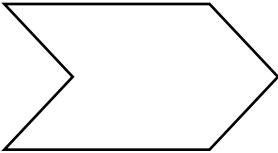
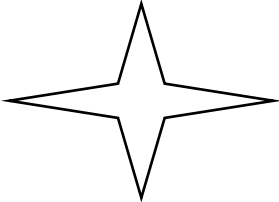
c) Shade $\frac{1}{2}$ of this shape.



(4 marks)

4. 2-d Shapes

Complete the information below about the properties of each **flat shape**.

	2-d shape	Shape's name	Number of sides
a)		triangle	_____ sides
b)		_____	5 sides
c)		_____	6 sides
d)		octagon	_____ sides

(4 marks)

5. True or False

Tick (✓) the correct answer. The **first one has been done** as an example.

		True	False
a)	A pyramid is a 3-d shape.	✓	
b)	double 23 is an odd number.		
c)	A square has 4 equal sides.		
d)	$48 - 6 - 2 = 30$		
e)	9, 15 and 26 are all multiples of 3.		

(4 marks)

6. Money

This is **Mark's Sports Shop**. Look at the prices of these items and then fill in the answers.

Mark's Sports Shop

dart board	baseball bat	football	basketball	tennis racket
				
€42.36	€12.05	€6.50	€8.35	€10

a) The **dart board** is being sold **half** price.
Now it costs

€ _____

b) (i) Emma buys 2 **basketballs** and 2 **baseball bats**.
Altogether she spends

€ _____

(ii) What is the change from **€100** Emma gets after
buying the **basketballs** and the **baseball bats**?

€ _____

(4 marks)

7. Length

a) A snake is **1m 55cm** long. It grows **30cm** more.
What is the new length?

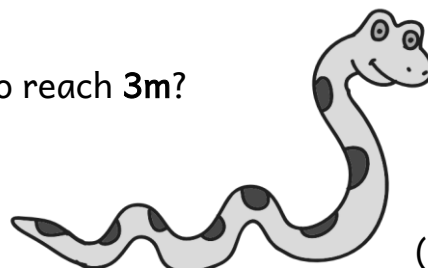
____m ____cm

b) Write your answer in **centimetres**.

_____cm

c) How much **more** does it need to grow to reach **3m**?

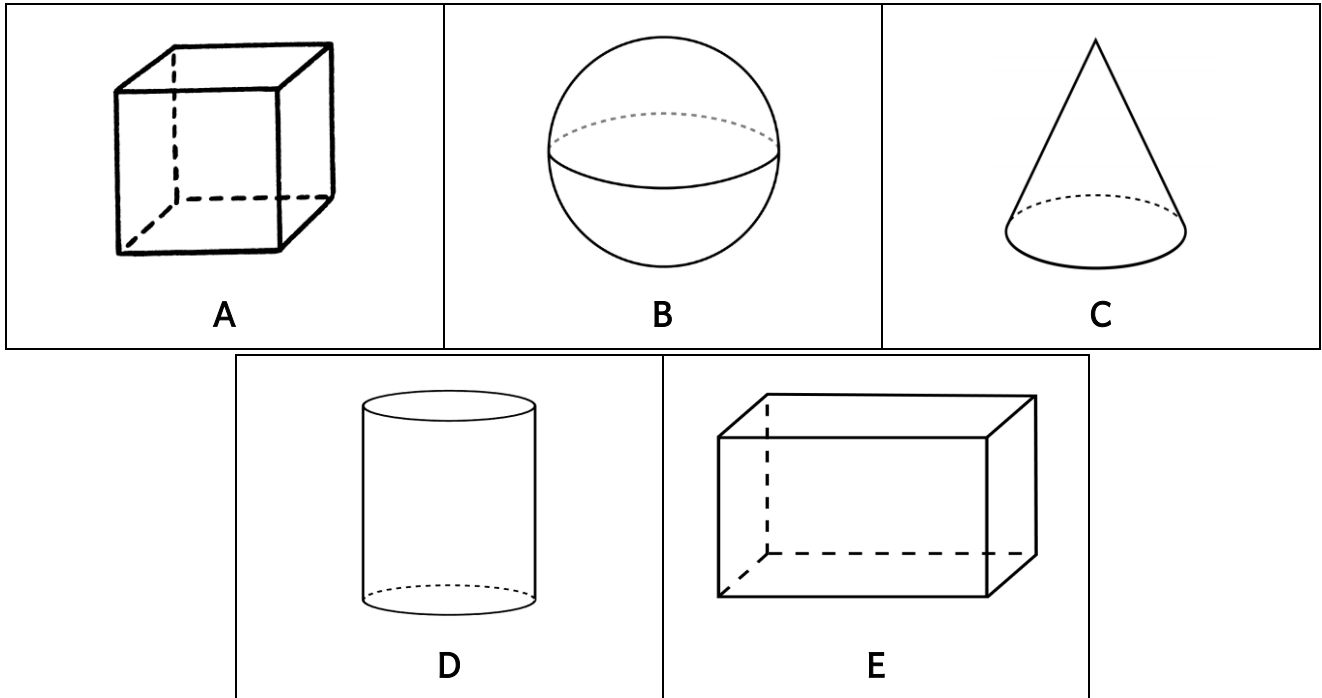
____m ____cm



(4 marks)

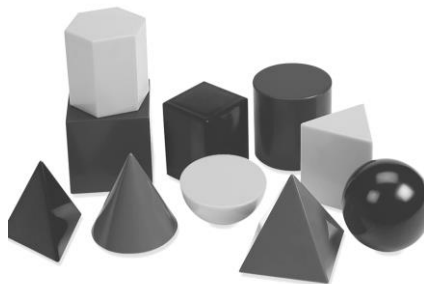
8. 3-d Shapes

Look at the **solid shapes** below.



Answer the following.

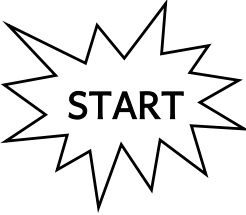

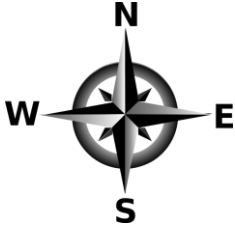





- a) Shape ____ and shape ____ have the **same** number of **faces**, **edges** and **vertices**.
- b) Shape **C** is a _____. It has **2 faces**, **1 edge** and **1 vertex**.
- c) Shape **D** is a _____. It has **3 faces**, _____ **edges** and **no vertices**.
- d) Shape **B** is a **sphere**. It has **no** _____ and _____.



(6 marks)

9. Direction – north, south, east, west

Look carefully at the map.

		 park		
	 school		 beach	
		 post office		
 church				 shop

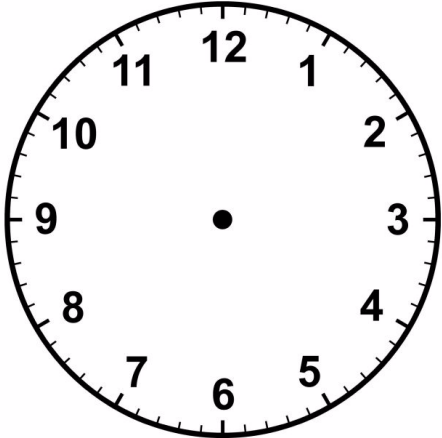
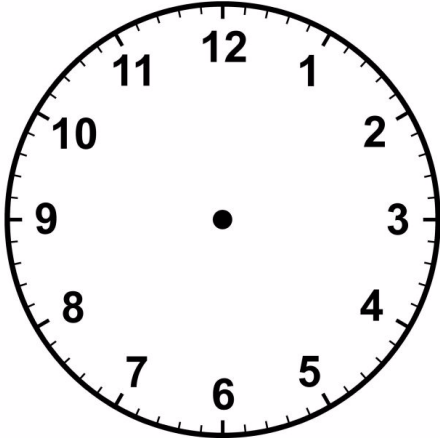
- The direction from the beach to the school is _____.
- The direction from the park to the post office is _____.
- The shop is to the _____ of the church.
- Go to **START**. Move **2 steps East**. There is the _____.
- Go to the **shop**. Move **3 steps West** and then **2 steps North**. You are now at the _____.
- Go to the **church**. Move **3 steps North** and then **4 steps East**.

Mark with an **X** where you are.

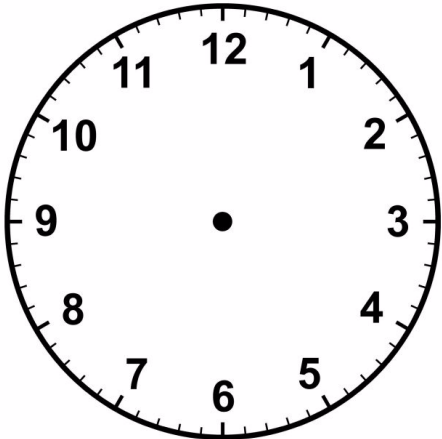
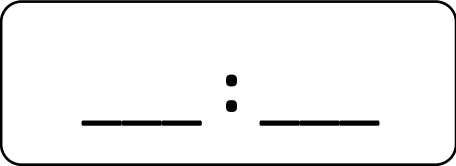
(6 marks)

10. Time

a) Draw the clock hands

<p>(i)</p> 	<p>(ii)</p> 
<p>quarter to eleven</p>	<p>12:20</p>

b) Tom wakes up at 7:10 a.m. He has breakfast 15 minutes later. Show the time on the **analogue** and **digital** clocks.

<p>(i)</p> 	<p>(ii)</p> 
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c) The school bus picks up Tom at **quarter to 8**. It arrives at school at **five minutes past 8**. How long is the trip?

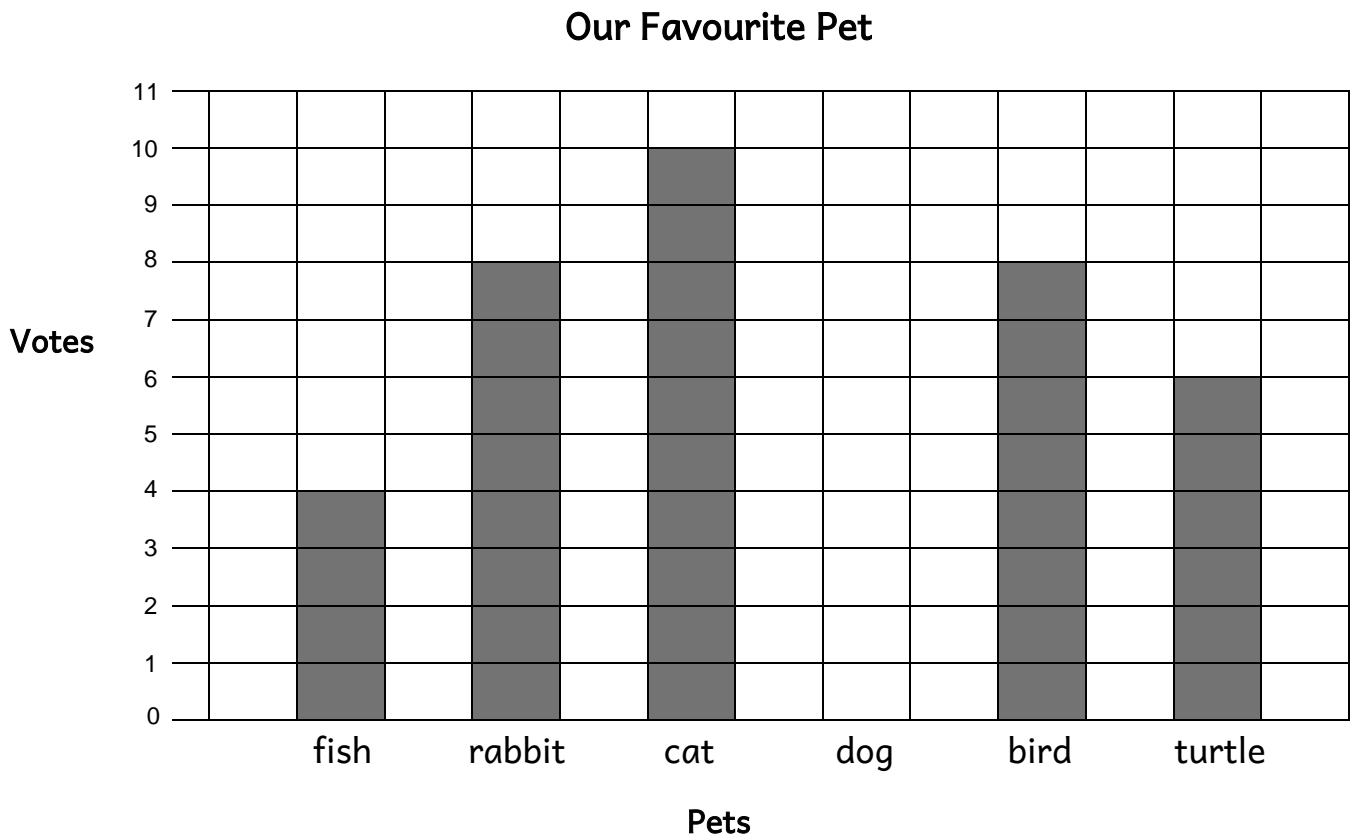
_____ minutes



(6 marks)

11. Bar graphs

The Year 4 children vote for their favourite pet. These are the results:



From the **bar graph** above:

a) How many children vote for fish? _____ children

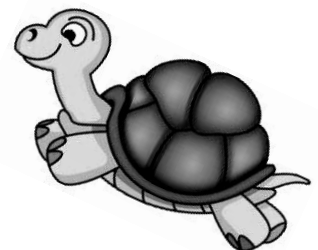
b) **Altogether** _____ children vote for cats **and** rabbits.

c) How many **more** children prefer birds **than** turtles? _____ children

d) There are **45 children** in Year 4.

(i) How many children like dogs? _____ children

(ii) **Complete the bar graph.**

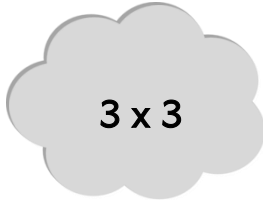


(6 marks)

12. Multiplication and Division

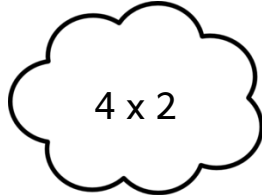
a) Work out the sums and then match pairs with the same answers by writing the letters, in the small, empty boxes.

The first one has been done as an example.



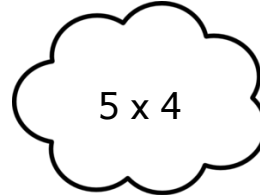
3×3

a



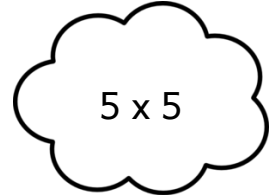
4×2

b



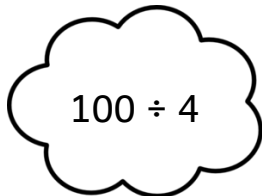
5×4

c

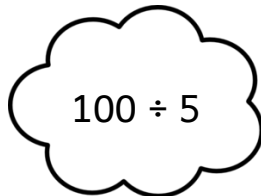


5×5

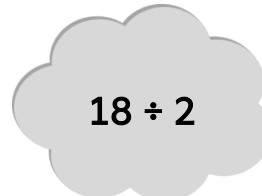
d



$100 \div 4$

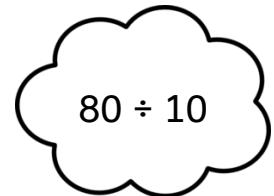


$100 \div 5$



$18 \div 2$

a



$80 \div 10$

b) Choose from these number cards to fill in the sums below.

Each card can **only** be used **once**.



2

3

9

14

27

28

(i) **x** =

(ii) **÷** =



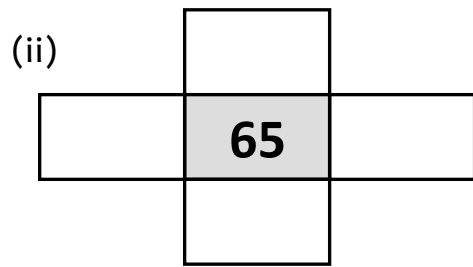
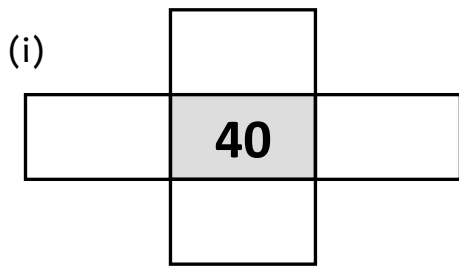
(6 marks)

13. Addition

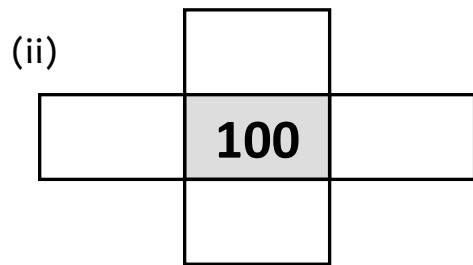
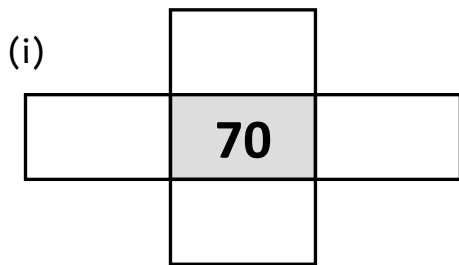
Write 4 numbers on each cross, so that the **sum of the numbers across** and the **sum of the vertical numbers** is equal to the number in the middle.

Do not use the same number twice on one cross.

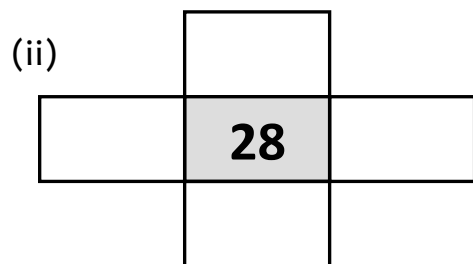
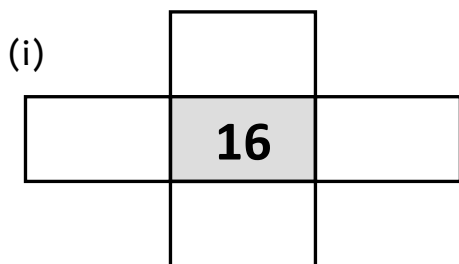
a) Use multiples of 5 only.



b) Use multiples of 10 only.



c) Use odd numbers only.



(6 marks)

END OF PAPER

MARKING SCHEME	Nos.	1 a - j	10×2	=	20
		2 - 7	6×4	=	24
		8 - 13	6×6	=	36
			TOTAL		80