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Creative, Innovative, Professional

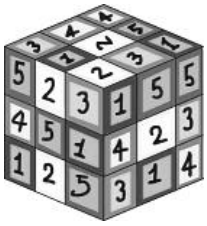
HALF YEARLY EXAMINATIONS
Maria Regina College
Scholastic Year 2014/2015

YEAR 4 | WRITTEN MATHEMATICS | TIME: 1hr 15min

Name: _____

Class: _____

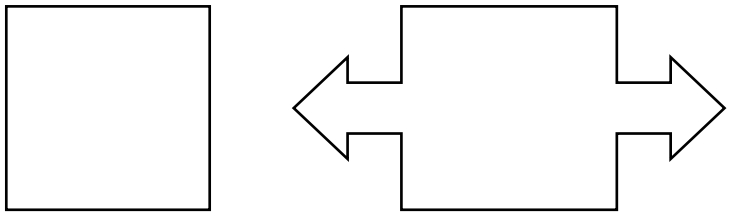
School: _____



Total mark _____ / 80

1. Fill in:

a)	14 + 23 + 10 = ☐
b)	80 - ☐ = 20
c)	☐ x 3 = 27
d)	35 ÷ 5 = ☐
e)	**Double** 15 = ☐
f)	94, 84, ☐, 64, 54, ☐
g)	1 hour 40 minutes = ☐ minutes
h)	Write the **total**.  ☐

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.  (20 marks)

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**.

4<u>5</u>6 ⟶ _____

<u>3</u>19 ⟶ _____ (4 marks)

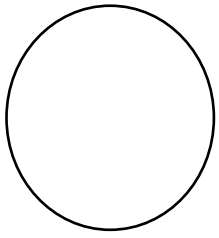
3. **Fractions**

a) What **fraction** of this shape 

(i) is **shaded**? ☐ (ii) is **not shaded**? ☐

b) Shade ¼ of this shape.

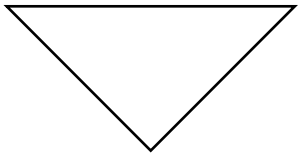
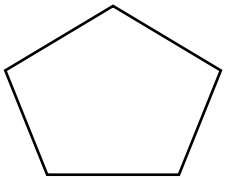
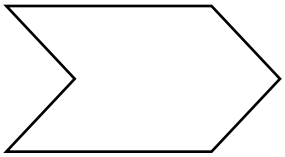
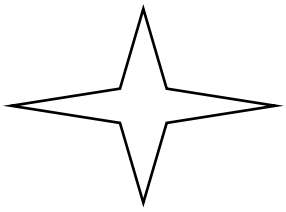
c) Shade ½ of this shape.



(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)

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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)

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7. Length

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

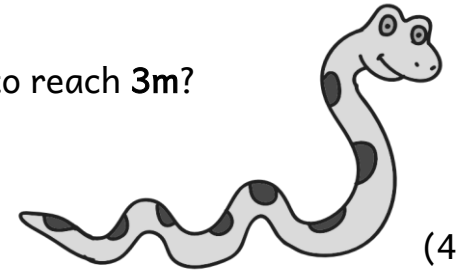
___m ____cm

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

_____cm

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

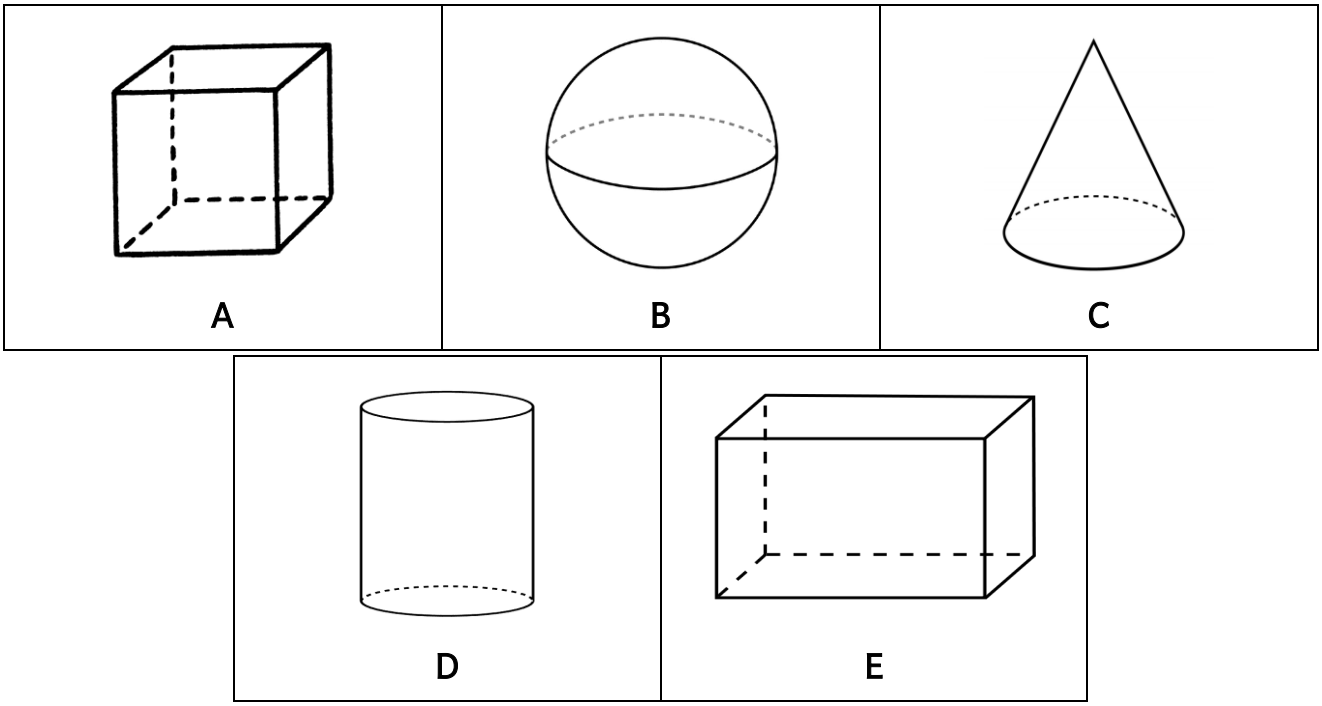
___m ____cm



(4 marks)

8. **3-d Shapes**

Look at the **solid shapes** below.



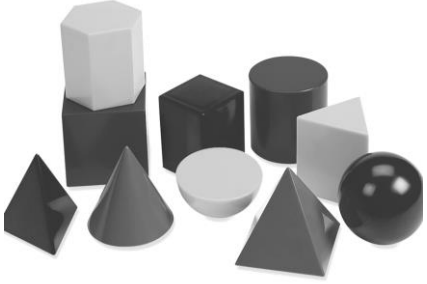
Answer the following.

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**.

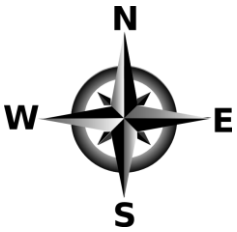
d) Shape **B** is a **sphere**. It has **no** _____ and _____.



(6 marks)

9. **Direction – north, south, east, west**

Look carefully at the map.

START		 park		
	 school		 beach	
		 post office		
 church				 shop

a) The **direction** from the **beach** to the **school** is _____.

b) The **direction** from the **park** to the **post office** is _____.

c) The **shop** is to the _____ of the **church**.

d) Go to **START**. Move **2 steps East**. There is the _____.

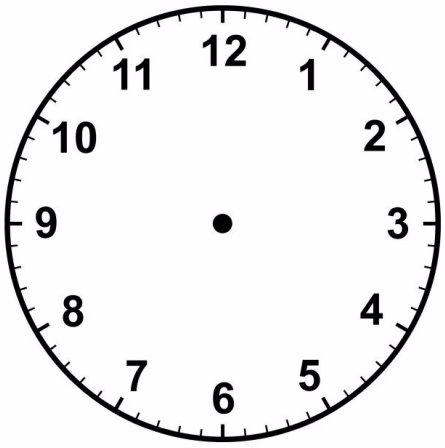
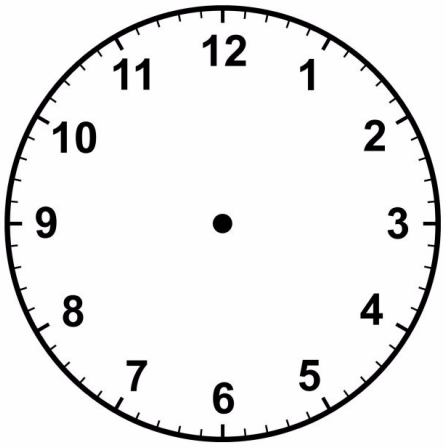
e) Go to the **shop**. Move **3 steps West** and then **2 steps North**. You are now at the _____.

f) Go to the **church**. Move **3 steps North** and then **4 steps East**.

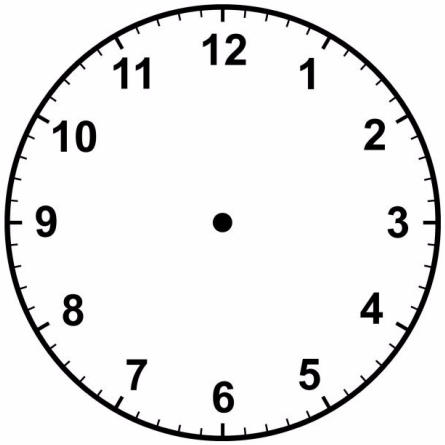
Mark with an **X** where you are. (6 marks)

10. Time

a) Draw the clock hands

(i)	(ii)
	
quarter to eleven	**12:20**

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

(i)	(ii)
	____ : ____

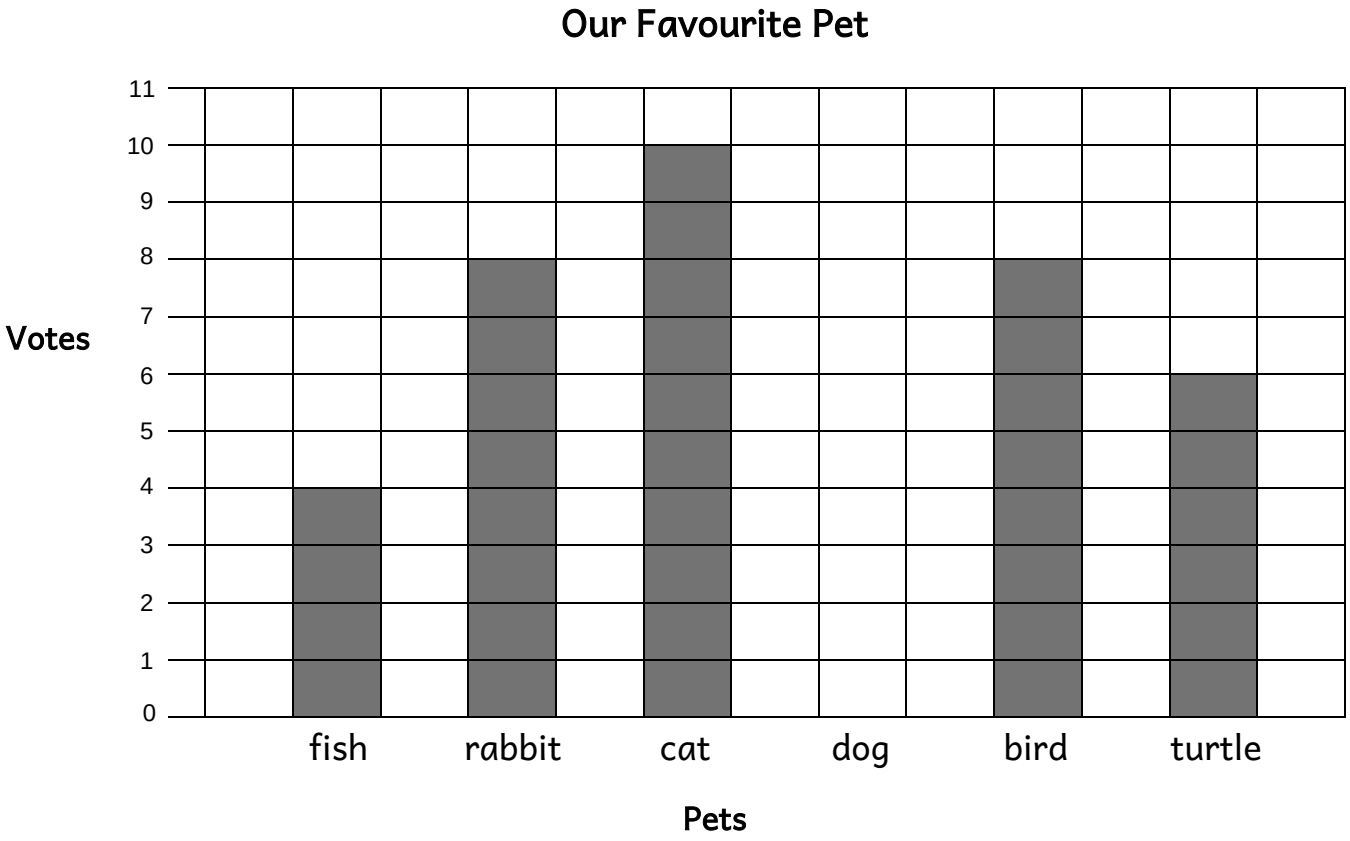
c) The school bus picks up Tom at **quarter to 8**. It arrives at school at **five minutes past 8**. How long is the trip?

_____ **minutes**

(6 marks)

11. Bar graphs

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



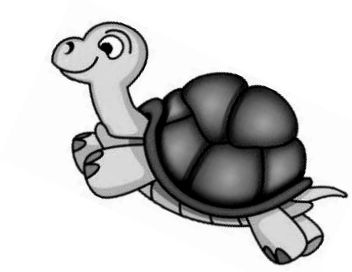
From the **bar graph** above:

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.



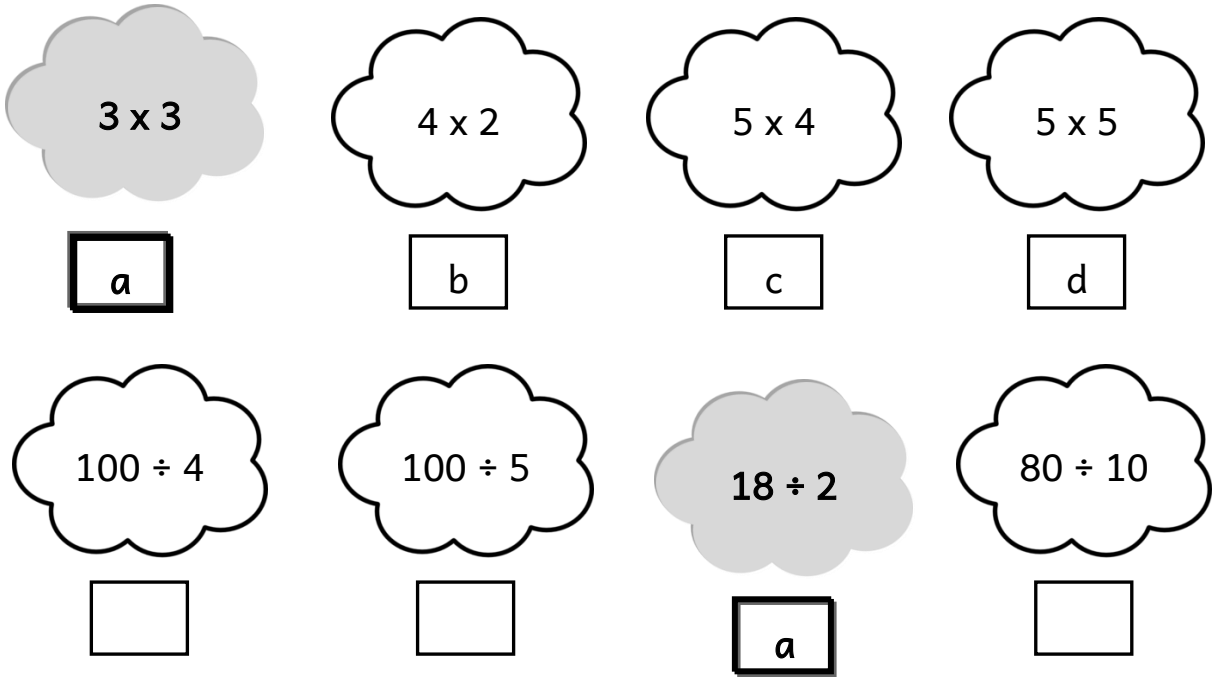
(i) How many children like dogs? _____ children

(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.



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)

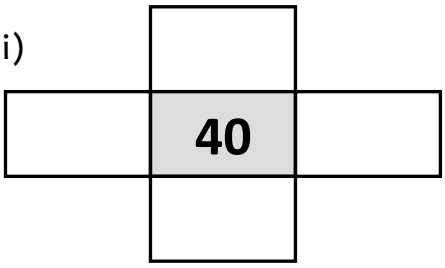
13. Addition

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**.

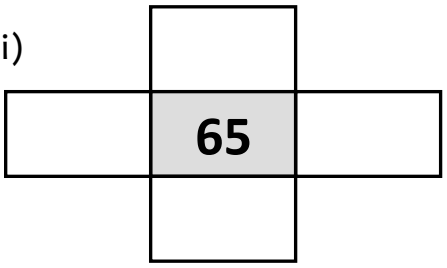
Do not use the same number twice on one cross.

a) Use **multiples of 5 only**.

(i)

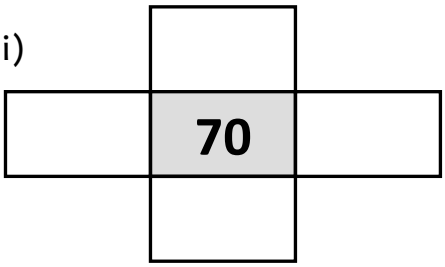


(ii)

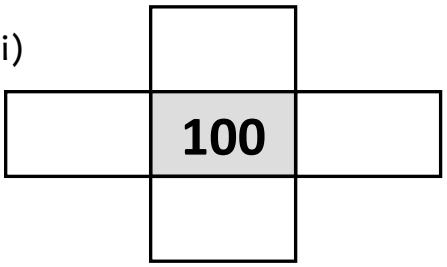


b) Use **multiples of 10 only**.

(i)

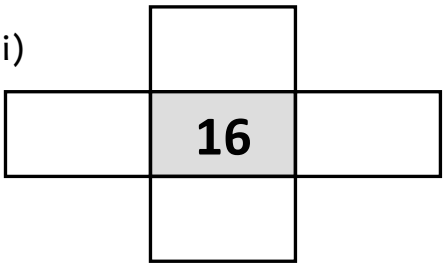


(ii)

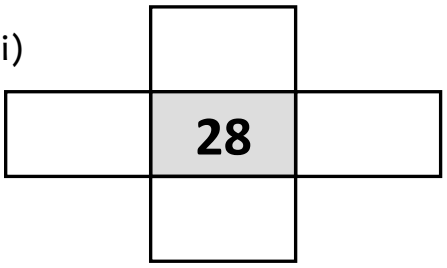


c) Use **odd numbers only**.

(i)



(ii)



(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**