DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION
Department for Curriculum Management and eLearning
Educational Assessment Unit
Annual Examinations for Secondary Schools 2012

FORM 1 **MATHEMATICS** **TIME: 30 minutes**
Non Calculator Paper

Question	1	2	3	4	5	6	7	8	9	Total
Mark										

DO NOT WRITE ABOVE THIS LINE.

Name: _____ **Class:** _____

Instructions to Candidates

- **Answer all questions.**

- **This paper carries a total of 25 marks.**
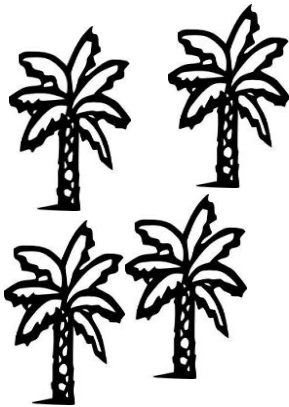
- **Calculators and protractors are NOT ALLOWED.**

1. What is the value of **2** in each number?

    a) 6<u>2</u>   _____

    b) <u>2</u>9   _____

                                                          (2 marks)

2.

    4   +   2   +   3   =   _____ trees

                                                          (2 marks)

3. Work out:

    a)   5 + 2   = _____

    b)   8 + 4   = _____

    c)   12 + 20   = _____

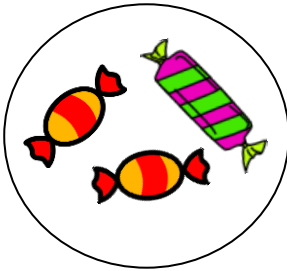   (3 marks)

Name :_____   Class :_____

4.
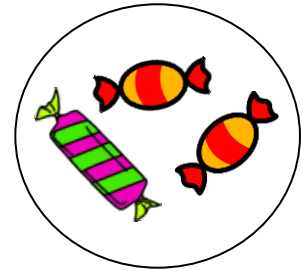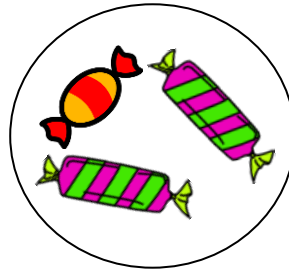
a)   How many groups are there?   _____   groups
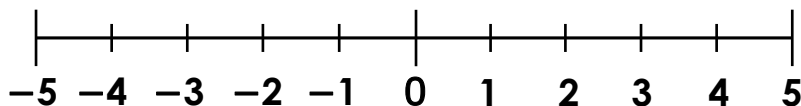
b)   How many sweets are there in all?   _____ sweets

(2 marks)

5.   Fill in:

a)   13, _____, 15.

b)   _____, 20, 21.

c)   6, 7, _____.

d)   _____, 10, _____.
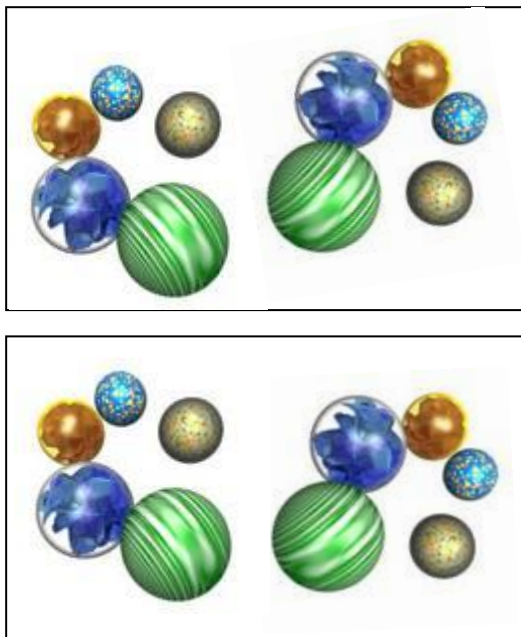
(5 marks)

6.

−5 −4 −3 −2 −1 0 1 2 3 4 5

Start from 0:   Move 3 **to the right**. You are at _____.

Now, move 5 **to the left**. You are at _____.
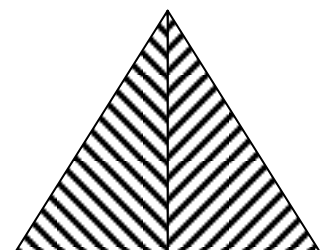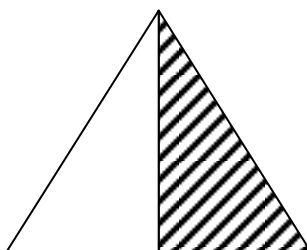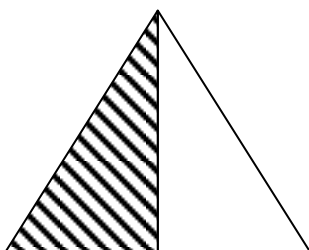
(2 marks)

7.

Fill in: a) I have _____ marbles **in all**.

b) These make _____ whole packets of 10 and 7 more
marbles.

c) I **almost** have _____ packets of 10 marbles.

(3 marks)

8.

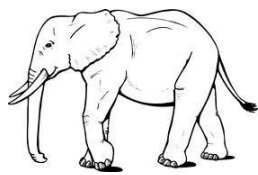$\left(\dfrac{1}{2}\right)$ **+** $\left(\dfrac{1}{2}\right)$ **=** $\bigcirc$ whole

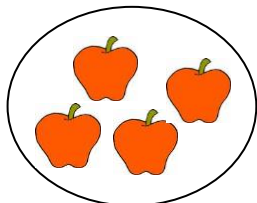(1 mark)

9.   a)   Which is **light** and which is **heavy**?

_____   _____

b)

1 kg   2 kg
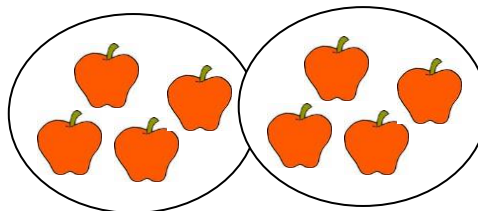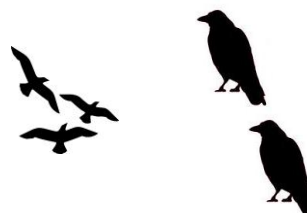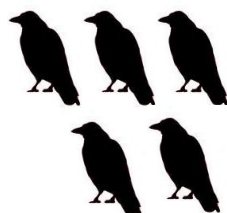
i) Fill in: 1kg   +   ☐ kg   =   ☐ kg

ii) How many apples are there **altogether**? _____

c)

i) Fill in: 5   ☐   3   =   ☐

ii) How many birds **are left**?   _____

(5 marks)

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4 –

FORM 1   **MATHEMATICS**   **TIME: 1 hour**
Main Paper

Question	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Total Main	Non Calc	**Global Mark**
Mark																				

DO NOT WRITE ABOVE THIS LINE.

Name: _____   **Class:** _____

CALCULATORS ARE ALLOWED BUT ALL NECESSARY WORKING MUST BE SHOWN.
ANSWER ALL QUESTIONS.

1.   **Match**. The first one is done for you.

(3 marks)

2.
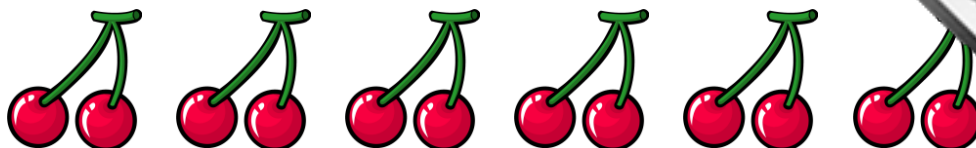
a)   How many cherries are there in all?   _____.

b)   Continue the pattern: 4,   8,   12, _____, _____, _____.

c)   Now continue **this** pattern: 1, 3, 5, _____, _____, _____.

(7 marks)

3.   Place these numbers on the number line. The first one is done for you.

14,   8,   6,   17,   19.

14
↓

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├──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┼──┤
0              5             10            15            20
```
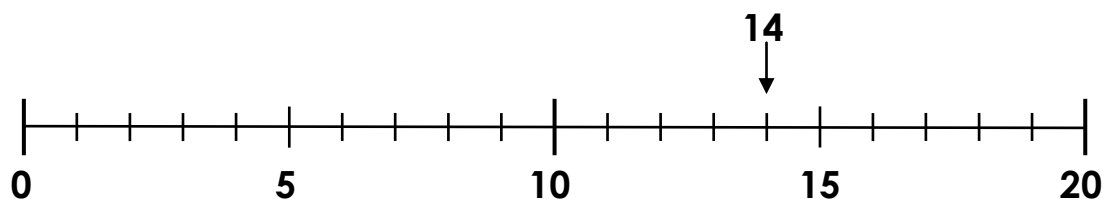
(4 marks)

4.   Alison is playing a board game with Jack. Fill in:

16	15	14	13
9	10	11	12
8	7	6	5
1	2	3	4

START

a)   Alison is at ⎡2⎤.

She moves **2 right**, **1 up** and **3 left**.

She arrives at ⎡ ⎤.

b)   Jack is at ⎡5⎤.

He moves **3 left** and **1 up.**

He arrives at ⎡ ⎤.

(4 marks)

5.   Timmy goes shopping with his mum. They buy:

         A bag of sugar   at   €1. 30

         1 kg of apples   at   €1. 50

         A packet of cereal at   €2 . 40
                                              _____

                Total Cost:
                                    _____

                                                          (3 marks)

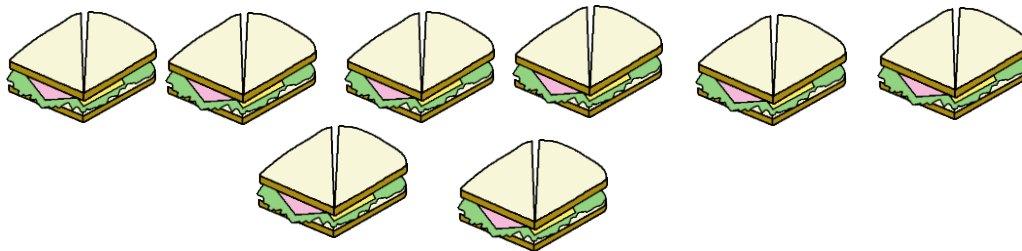6.   Mum is making sandwiches for Elsa and her 3 friends.

      She prepares 8 sandwiches and cuts them in halves.

      a)   If they take 1 sandwich each, how many sandwiches in
            all do they take?

                                    Answer: _____

      b)   If they take 2 halves each, how many **whole** sandwiches in
            all do they take?

                                    Answer: _____

      c)   If they take 1 sandwich and a half each, how many
            sandwiches do they take?

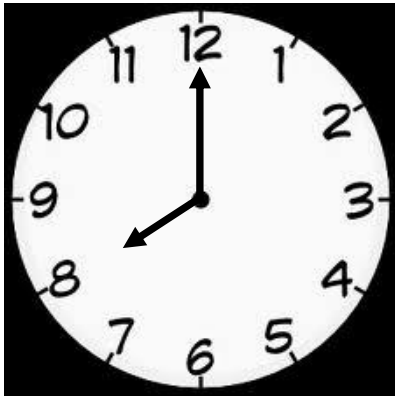   Answer: _____
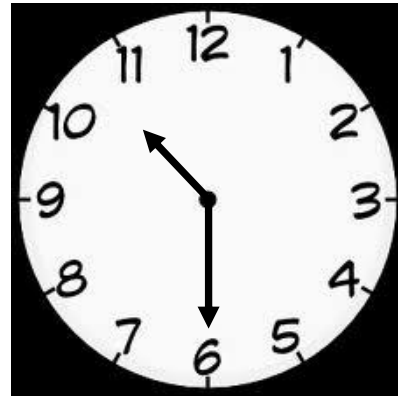
      d)   How many half sandwiches does mum prepare in all?
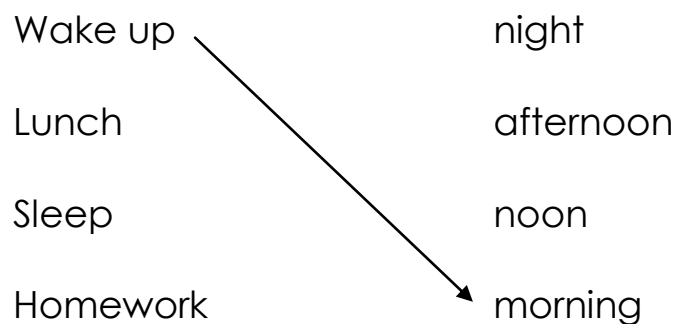
                                    Answer: _____

                                                          (6 marks)

7. a) What is the time?

i) _____   ii) _____ past _____

b) **Match**. The first one is done for you.

Wake up   night

Lunch   afternoon

Sleep   noon

Homework   morning

c) Choosing from **April, March, May,** continue the following:
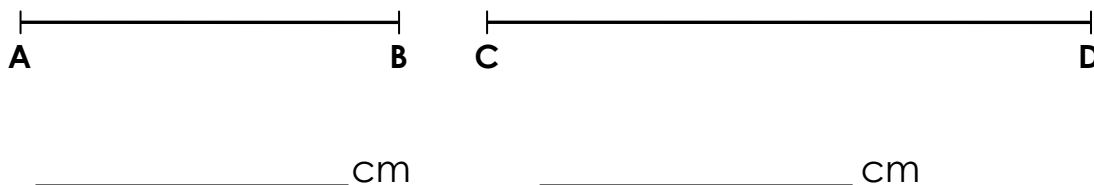
January, February, _____, _____, _____.

(8 marks)

Name :_____   **Class :**_____

8.   a)   Use your ruler to measure **line AB** and **line CD**.

A ├──────────────────┤ B   C ├──────────────────────────────────────┤ D

_____cm   _____ cm

b)   Which is the **longest** line?

Answer: _____

_____ (2 marks)

9.   **Fill in with** $\boxed{+}$ **or** $\boxed{-}$.

a)   12 $\boxed{}$ 8   =   20.

b)   25 $\boxed{}$ 5   =   20.

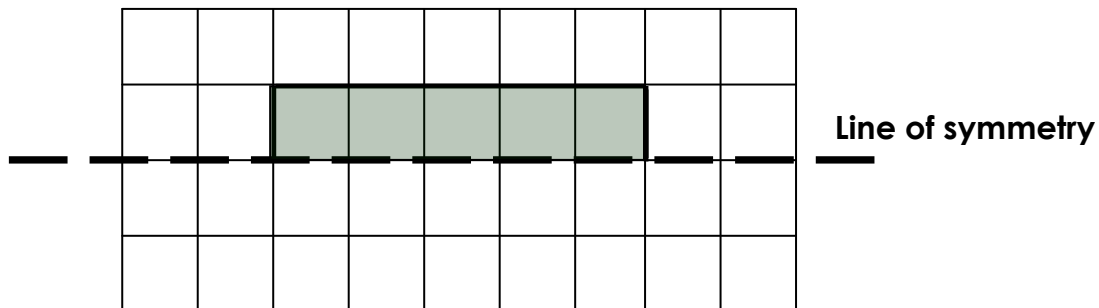_____ (2 marks)

10. Tick ☑ the shapes that have one or more **lines of sym**

☐   ☐   ☐   ☐
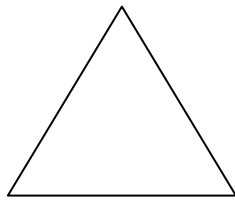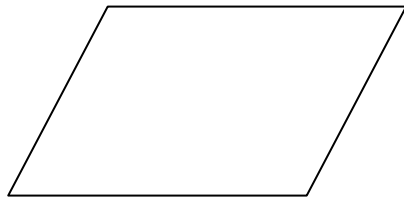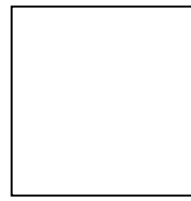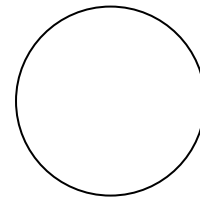
(4 marks)

11. a) **Complete** the shape using the line of symmetry.

Line of symmetry

   b) **Continue** the pattern:

   c) **True or False**.

	True	False
i) The sides of the square are all equal.		
ii) The sides of the rectangle are all equal.		

(7 marks)

SHAPE	FREQUENCY

12. a) How many shapes are there?
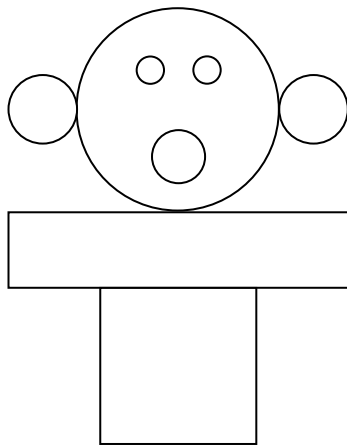
circles	
rectangles	
squares	
TOTAL	

b) Complete the bar chart to show the above information.

Frequency

6
5
4
3
2
1
0

circles   rectangles   squares
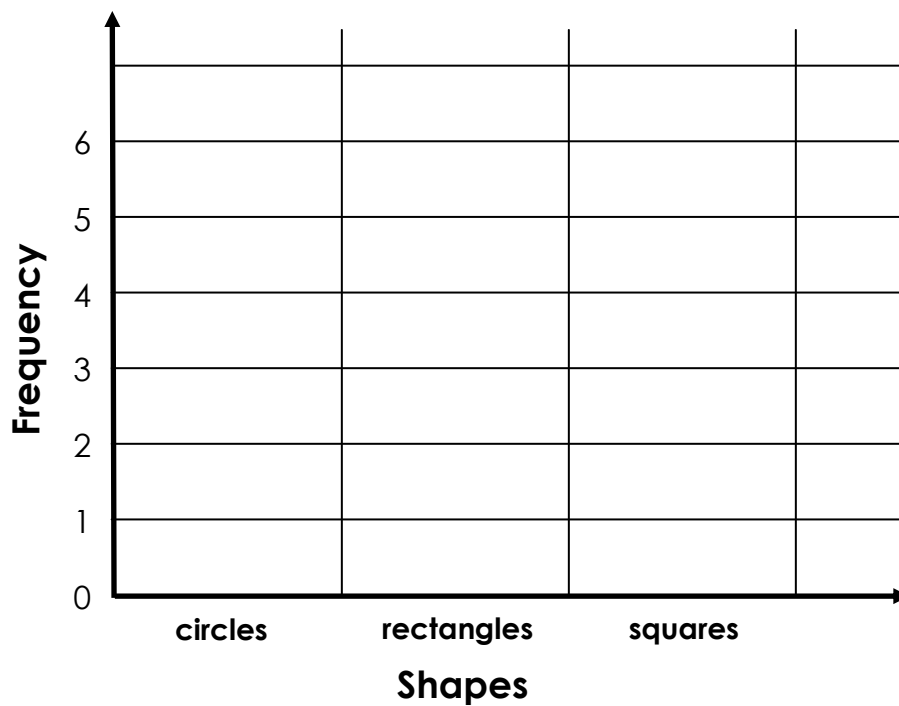
Shapes

c) i) Which is the **most common** shape? _____

ii) How many are there of this shape? _____

(9 marks)

13. Fill in with **True** or **False**.

a) When it rains, the road gets wet.   _____

b) We wear jeans for school.   _____

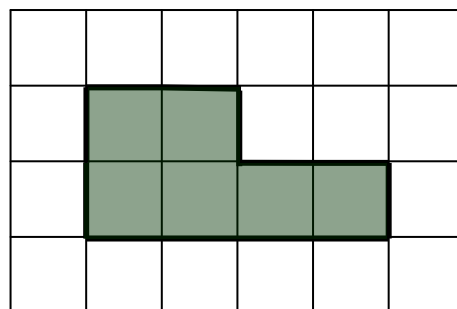c) Flowers need water to grow.   _____

(3 marks)

14. Fill in: a) ⬜ + 8 = 18.

b) 9 + ⬜ = 35.

c) ⬜ + ⬜ = 29.

(3 marks)

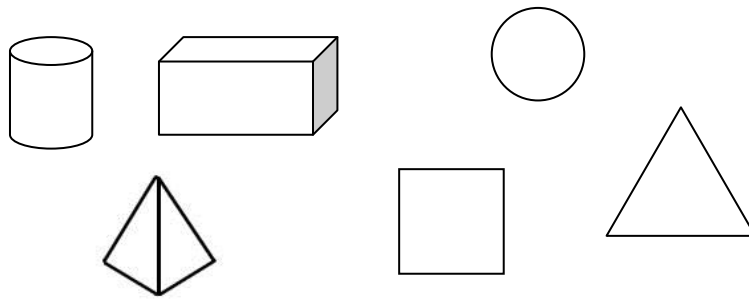15. Each square has its sides 1 cm long.
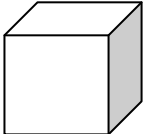
a) If I go round the shape I move _____ cm.

b) How many shaded squares cover the shape?

Answer: _____ squares

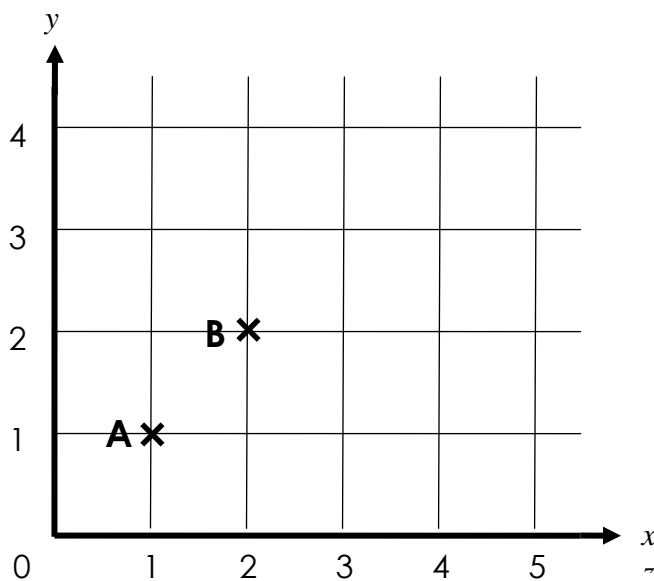(3 marks)

16. a) Put the solid shapes in a circle.

b) A cube has _____ **faces**

and _____ **edges**.

(3 marks)

17. a) The position of A is (1 , 1). Fill in: **B is (__ , __)**.

b) Mark point **C (4, 4)**.

y

4

3

B ✖

2

A ✖

1

x

0   1   2   3   4   5

c) Join A to B and B to C. What have you drawn?

Answer: _____

(4 marks)

END OF PAPER