PRIMARY SCHOOLS ANNUAL EXAMINATIONS 2006

Educational Assessment Unit – Education Division

YEAR 6 **MATHEMATICS** **TIME: 1 h 30 min**

Name: _____ **Class:** _____

1) 2 5 7
+ 5 1 3
_____
_____

2) 8 7 6
— 6 4 2
_____
_____

3) Lm 8 • 9 0
— Lm 3 • 7 6
_____
Lm
_____

4) 1 0 8
× 6
_____
_____

5) Lm
5) Lm 9 • 7 5

6) Fill in with the correct number.

a) 4 5 0 5 5 0 _____ 7 5 0.

b) 1 5 2 5 _____ 1 4 7 5 1 4 5 0.

c) 9 0 0 0 9 0 0 _____ 9.

7) Fill in with the correct sign $<$, $=$ or $>$.

a) 5 6 • 4 _____ 5 • 6 4.

b) 4 • 0 2 0 **kg** _____ 4 1 0 0 **g**.

c) five **50c coins** _____ ten **25c coins**.

8) Look at these numbers.
Fill in with the correct number.

9 0 2 **9 2 0** **9 1 0** **9 3 0** **9 0 7**

I am the **LARGEST** number

a)_____

I am the **ODD** number

b)_____

I am the **SMALLEST** number

c)_____

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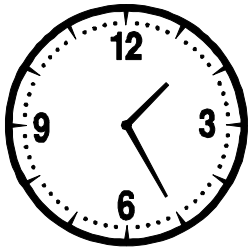
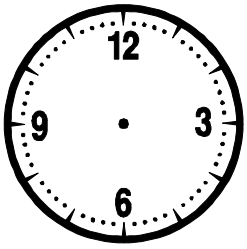
9) a) Look at the clock:



The time is _____

b) The time is **03:45**
Draw the hands of the clock to show this time.



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10) Give the **value** of the **figure** 5 in the following numbers:

a) i) $2\underline{5}7{\cdot}63 =$ _____

ii) $2467{\cdot}8\underline{5} =$ _____

b) **Fill in** with the correct number:

i) $36{\cdot}15 \times$ _____ $= 361{\cdot}5$

ii) $36{\cdot}15 \div 10 =$ _____

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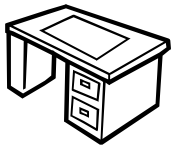
11) Look at this table.

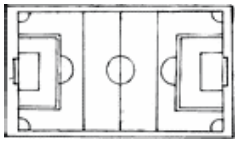
7 m	1 m 30 cm	150 m	8 cm

Choose a suitable length for the following:

a) A **mobile phone** is about _____long. 

b)  A **teacher's desk** is about _____long.

c) A **classroom wall** is about _____ long. 

d)  A **football ground** is about _____ long.

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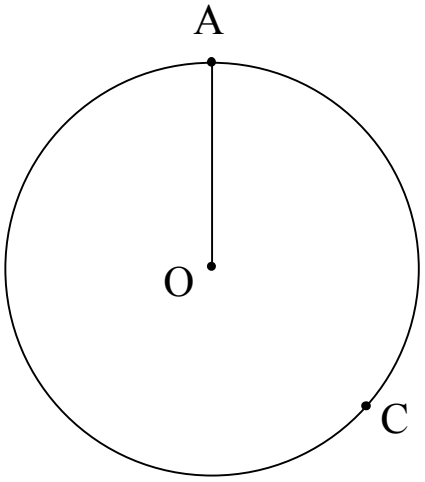
12) **O** is the centre of the circle.

a) **AO** is the _____ of the **circle**.



b) Use your ruler to **draw**:

i) line **OC**.

ii) line **AC**.

Underline the correct word.

c) The **triangle AOC** is (equilateral, isosceles, scalene, right-angled).

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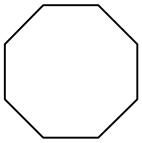
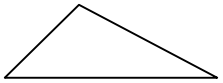
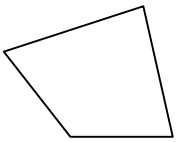
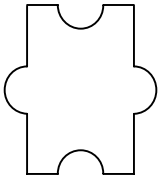
13) a) Put a tick (✓) under the shapes which **have lines of symmetry.**

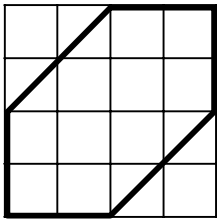
i)  _____

ii)  _____

iii)  _____

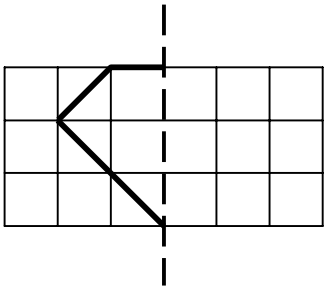
iv)  _____

b) In **shape A** draw the lines of symmetry:



shape A

c) Complete **shape B** to make a symmetrical shape.



shape B

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14) a) Sandra collects **25 cent coins** in her money box. By Christmas time, she has **36 coins**.

i) She has **Lm**_____ **in all**.

ii) Sandra buys a present which costs **Lm 5·50.**

She needs _____ **coins** to buy the present.

b) Keith has a World Cup football sticker album.

The album is full.

It has **768 stickers** with **24 stickers** on **each** page.

The album has _____ **pages**.

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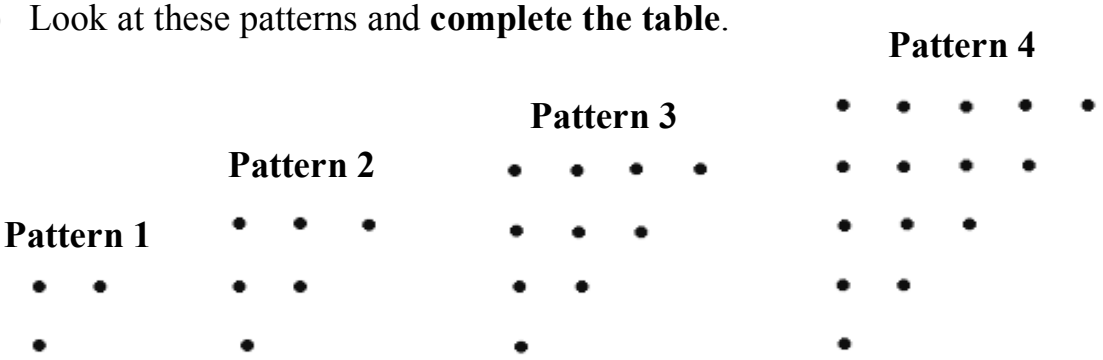
15) a) Look at these patterns and **complete the table**.



Pattern Number	1	2	3	4	5	6
Number of Dots	3	6	10	15		

b) In **pattern 8**, there will be _____ **dots**.

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16) The diagram shows different paths from Mark's house.

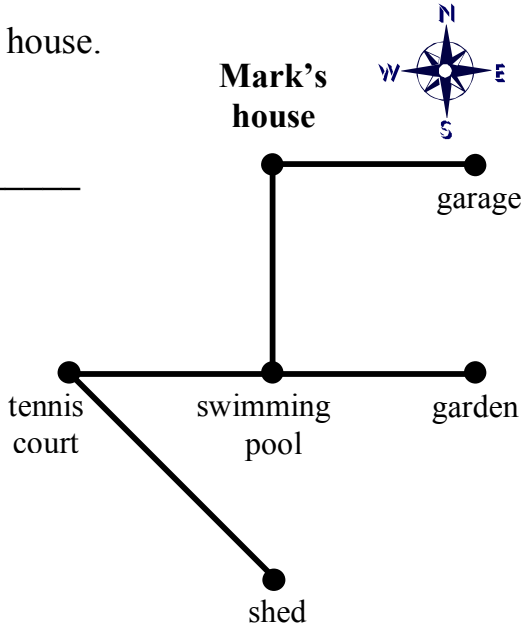
a) Fill in with the correct **compass directions**:

i) From his house Mark walks _____ to go to the **swimming pool**.

ii) From the swimming pool he walks _____ to go to the tennis court.

iii) **Mark's house** is _____ of the **garden**.

iv) The **shed** is _____ of the **garden**.



b) A **barbeque set** is **SOUTH EAST** of **Mark's house**.

Where is the **barbeque set**?

It is in the _____ (shed, garden, garage).

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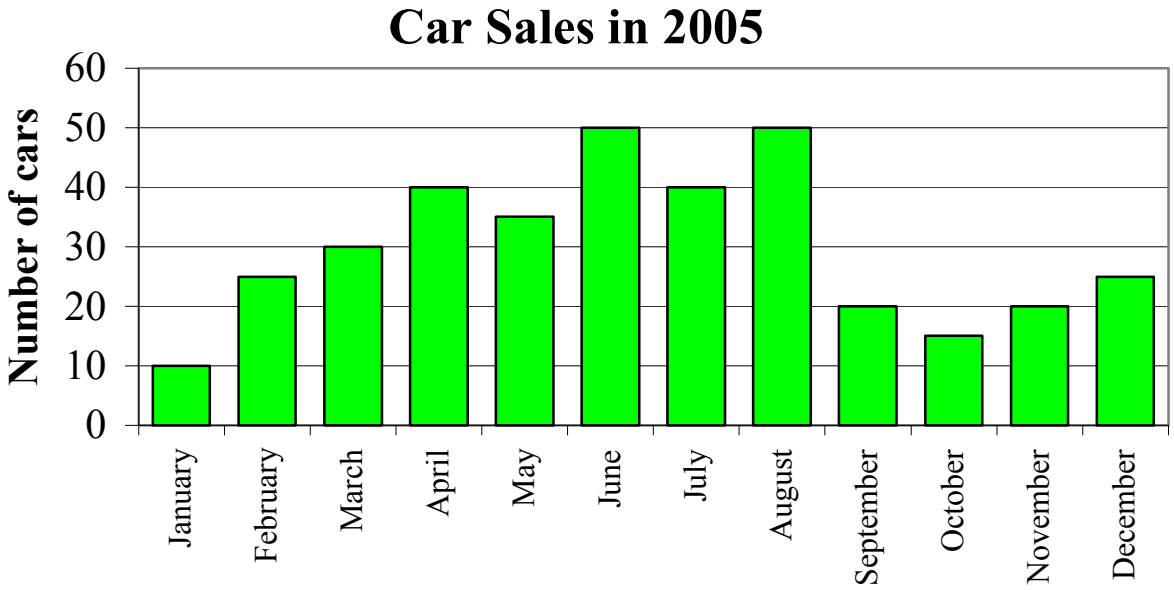
17) Jeff sells second hand cars.
The graph shows Jeff's monthly sales for the year 2005.



Use the graph to fill in:

a) i) In **March** _____ **cars** were sold;

ii) In **October** _____ **cars** were sold.

b) The **least** number of cars was sold in _____.

c) The **largest** number of cars was sold in:

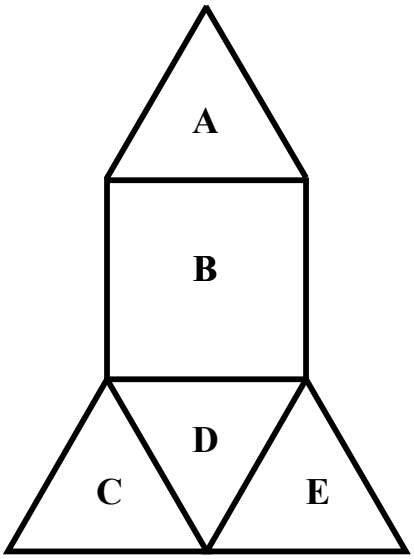
_____ and _____.

d) Work out the **total number of cars sold** in 2005.

_____ **cars**.

18) **Do not use a ruler to answer this question.**

Look carefully at this shape of a rocket.
It is made up of **4 triangles** and a **square**.



a) Each triangle is made up of 3 **equal** sides.

Each **triangle** is called _____.

b) The perimeter of **square B** is **16 cm**.

One side of square B is _____**cm** long.

c) Work out the outside perimeter of the **whole rocket**.

Outside Perimeter _____**cm**.

d) Shapes A,B,C,D,E **together** form the **net** of a _____.

19) Look at these digital clocks.
They show the time in New York, Malta and Melbourne.
At 12:30 Malta time, the clocks in New York and Melbourne read as shown here.

New York	Malta	Melbourne
06:30	12:30	22:30

Note: The time in New York is <u>6 hours</u> behind the time in Malta.

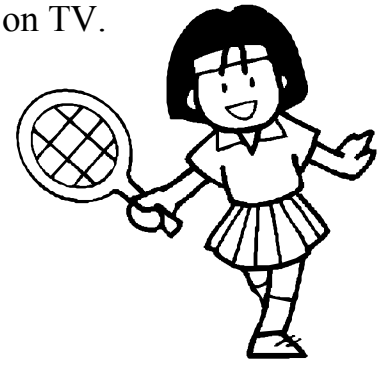
Fill in:

a) The time in **Malta** is _____ **hours** behind the time in **Melbourne**.

b) At **18:15 Malta** time, the time in **New York** is _____.

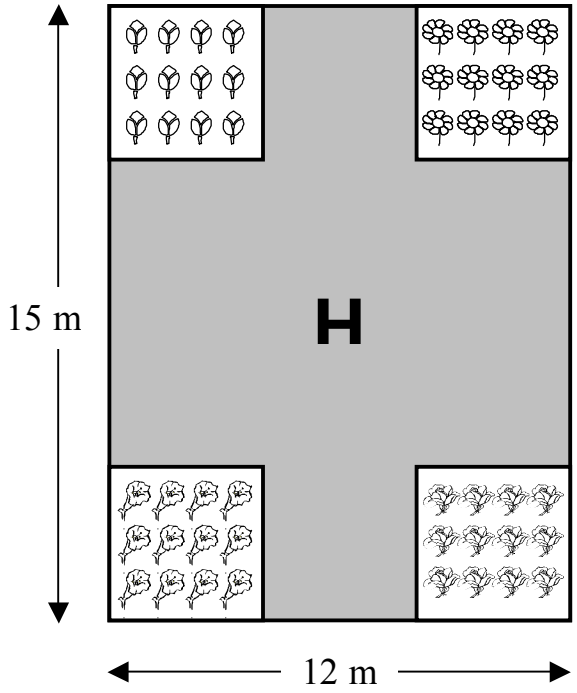
c) A tennis game held in Melbourne is shown **LIVE** on TV.

In Malta this game starts at **23:00** on **Saturday**.



In Melbourne the game starts **at** _____ **on** _____.

20) Look at this diagram of a garden.



In the garden there are **4 square** flowerbeds. They are **equal** in size.

The **area** of **each** flowerbed is **16 m^2**.

a) Work out the **area** of the 4 flowerbeds together.

_____ **m^2**

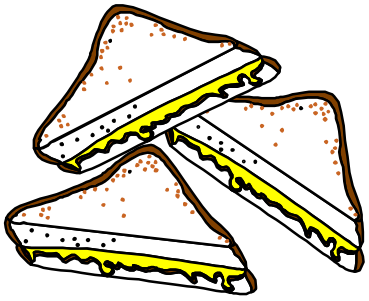
b) Work out the **area** of the **whole garden**.

_____ **m^2**

c) Work out the **shaded area H**.

_____ **m^2**.

21) Fiona prepared 600 sandwiches for a party.



$\frac{1}{5}$ were **ham sandwiches**.

a) How many **ham sandwiches** did she prepare?

_____ **ham sandwiches**.

b) 180 were **salmon sandwiches**.

The rest were **cheese sandwiches**.

How many **cheese sandwiches** were there?

_____ **cheese sandwiches**.

c) After the party there were 150 sandwiches left over.

150 sandwiches is _____ % of the **total** number of sandwiches.

22) A tea factory packs tea bags in large and small boxes.

5 g **tea bag**

Large box

a) **One** tea bag weighs **5 g**.

The tea bags in a **large** box weigh **3 kg 750 g**.

Work out the number of **tea bags in a large box**.

_____ **tea bags**.

b) One **small box** contains **50** tea bags**.**

Small box

900 teabags are packed in _____ **small boxes**.

c) **One small box** of tea bags costs **42c**.

Work out the cost of **325 small boxes**.

Lm _____

END OF PAPER

Marks distribution: numbers 1 – 8 (3 marks × 8) = 24 marks
numbers 9 – 12 (4 marks × 4) = 16 marks
numbers 13 – 22 (6 marks × 10) = 60 marks
Total = 100 marks

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YOU CAN USE THIS PAGE FOR WORKING