

PRIMARY SCHOOLS ANNUAL EXAMINATIONS 2006

Educational Assessment Unit – Education Division

YEAR 6

MATHEMATICS

TIME: 1 h 30 min

Name: _____

Class: _____

1)
$$\begin{array}{r} 257 \\ + 513 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 876 \\ - 642 \\ \hline \end{array}$$

3)
$$\begin{array}{r} \text{Lm } 8 \cdot 90 \\ - \text{Lm } 3 \cdot 76 \\ \hline \end{array}$$

Lm

4)
$$\begin{array}{r} 108 \\ \times 6 \\ \hline \end{array}$$

5)
$$\begin{array}{r} \text{Lm} \\ 5 \overline{) \text{Lm } 9 \cdot 75} \\ \hline \end{array}$$

6) Fill in with the correct number.

a) $450 + 550 =$ _____ $750.$

b) $1525 +$ _____ $1475 = 1450.$

c) $9000 \div 900 =$ _____ $9.$

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

a) $56 \cdot 4$ _____ $5 \cdot 64.$

b) $4 \cdot 020 \text{ kg}$ _____ $4100 \text{ g}.$

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

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

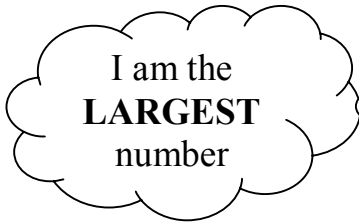
9 0 2

9 2 0

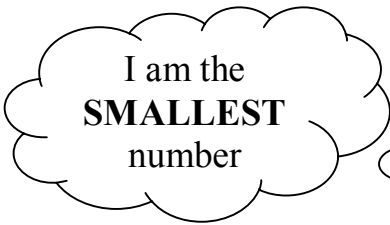
9 1 0

9 3 0

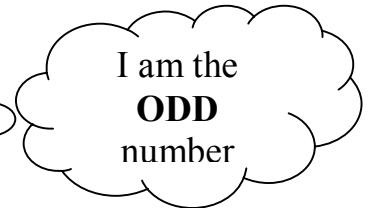
9 0 7



a) _____

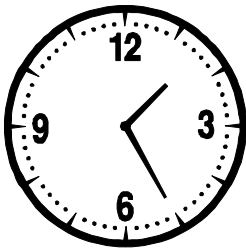


b) _____



c) _____

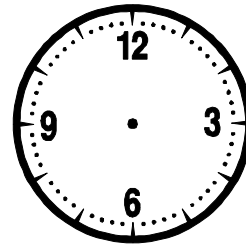
- 9) a) Look at the clock:



The time is _____

- b) The time is **03:45**

Draw the hands of the clock to show this time.



- 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) $36 \cdot 15 \div 10 =$ _____

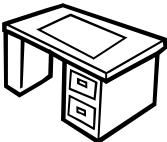
11) Look at this table.

7 m	1 m 30 cm	150 m	8 cm
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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.

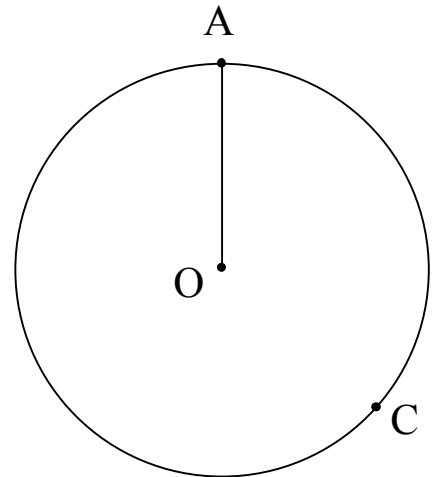
12) **O** is the centre of the circle.

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

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

i) line **OC**.

ii) line **AC**.

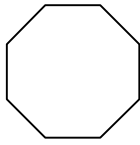


Underline the correct word.

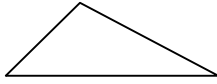
c) The **triangle AOC** is (equilateral, isosceles, scalene, right-angled).

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

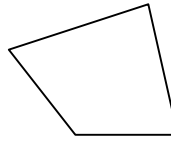
i)



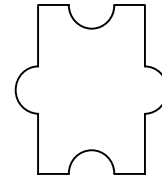
ii)



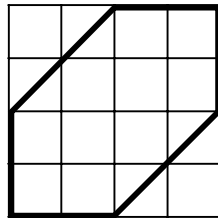
iii)



iv)

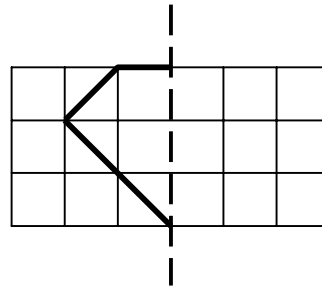


b) In **shape A** draw the lines of symmetry:



shape A

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



shape B

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.

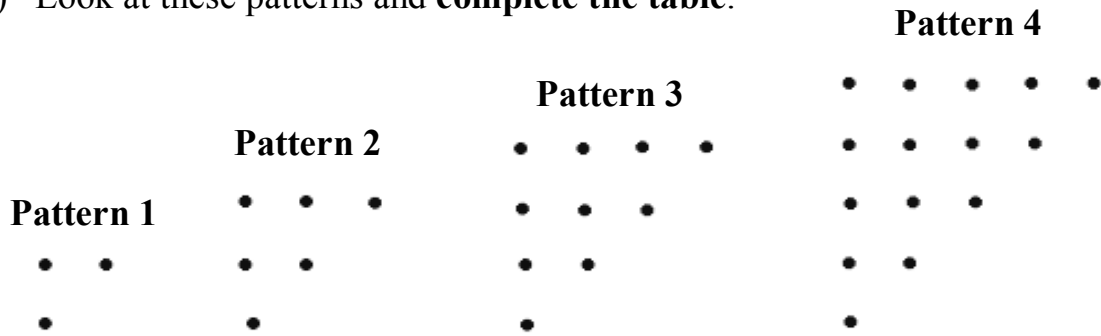
The album is full.

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



The album has _____ **pages**.

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



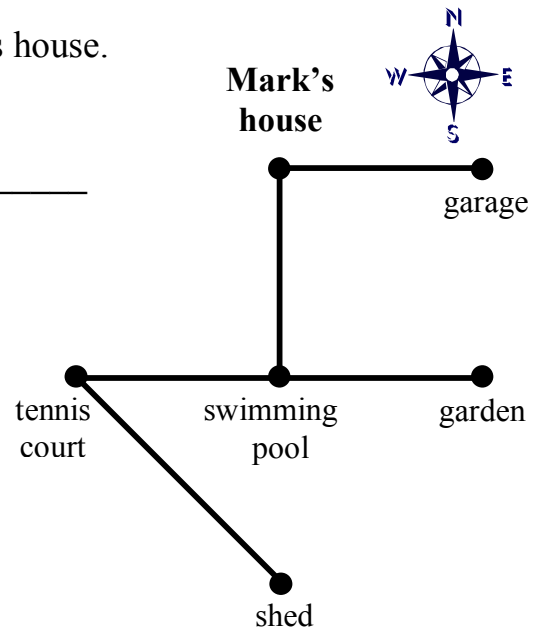
Pattern Number	1	2	3	4	5	6
Number of Dots	3	6	10	15		

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

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.

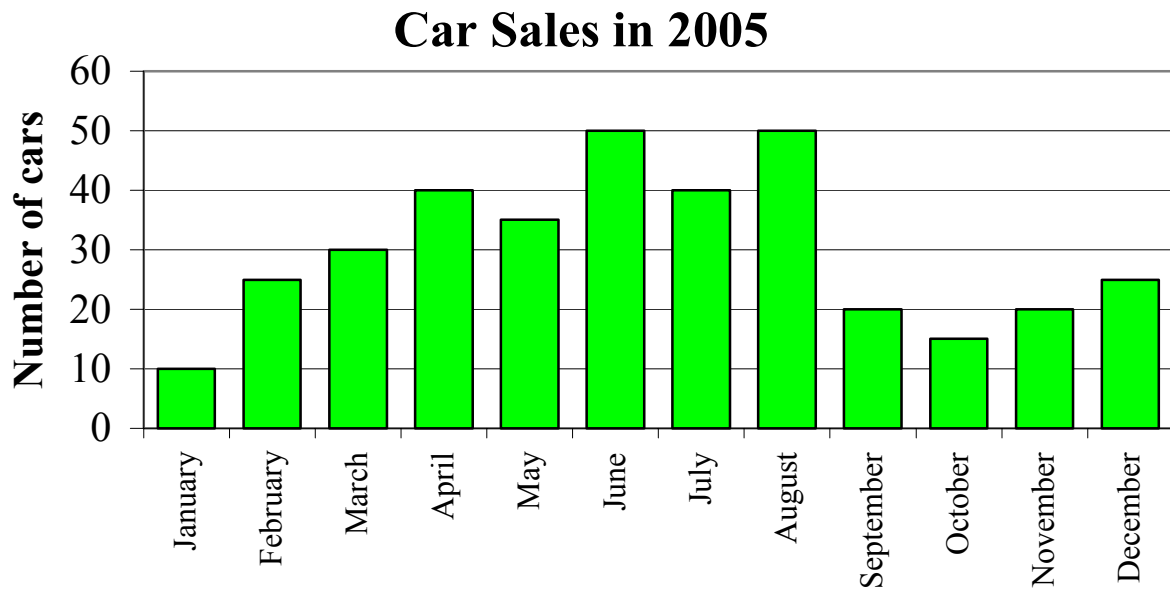


b) A **barbeque set** is **SOUTH EAST** of **Mark's house**.

Where is the **barbeque set**?

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

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



Use the graph to fill in:

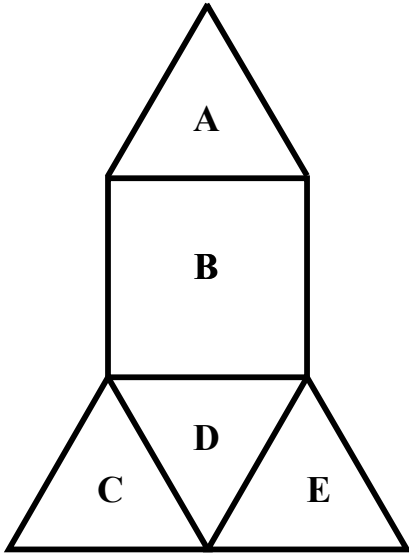
- a) i) In **March** _____ **cars** were sold;
ii) In **October** _____ **cars** were sold.
- b) The **least** number of cars was sold in _____.
- c) The **largest** number of cars was sold in:
_____ and _____.
- d) Work out the **total number of cars sold** in 2005.

_____ **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**.

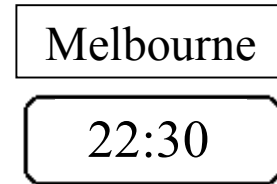
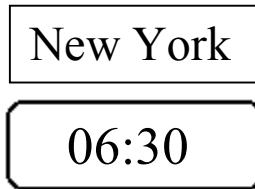
Outside Perimeter _____ **cm**.

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.



Note: The time in New York is 6 hours behind the time in Malta.

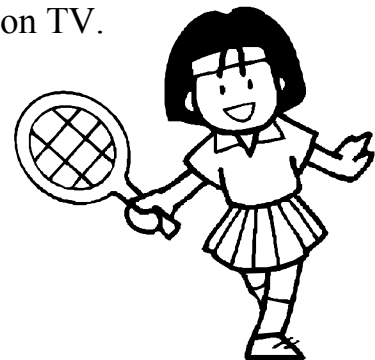
Fill in:

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

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

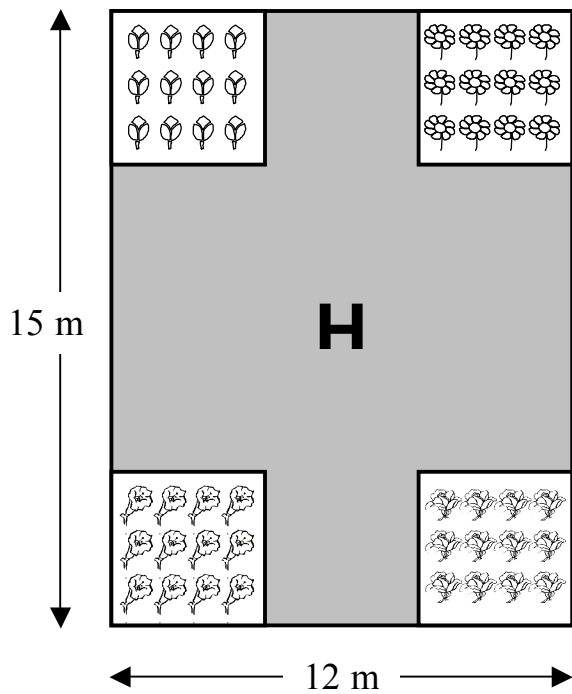
c) A tennis game held in Melbourne is shown **LIVE** on TV.

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 m²**.

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

_____ m²

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

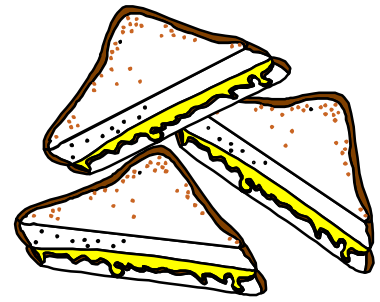
_____ m²

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

_____ m².

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