

# PRIMARY SCHOOL ANNUAL EXAMINATIONS 2004

Educational Assessment Unit – Education Division

**YEAR 6**

**MATHEMATICS**

**TIME: 1 h 30 min**

Name \_\_\_\_\_

Class \_\_\_\_\_

1) 
$$\begin{array}{r} 815 \\ 102 \\ + 71 \\ \hline \\ \hline \end{array}$$

2) 
$$\begin{array}{r} 987 \\ - 634 \\ \hline \\ \hline \end{array}$$

3) 
$$\begin{array}{r} 965 \\ - 678 \\ \hline \\ \hline \end{array}$$

4) 
$$\begin{array}{r} 138 \\ \times 5 \\ \hline \\ \hline \end{array}$$

5) **Add** 7m 43cm to 65cm.  
\_\_\_\_\_ m \_\_\_\_\_ cm

(6) 
$$\frac{\text{Lm}}{7) \text{Lm } 59.22}$$

7)  $3 \cdot 165$

$316 \cdot 5$

$0 \cdot 3165$

$31 \cdot 65$

**Put these numbers in order starting with the largest.**

The first one is done for you.

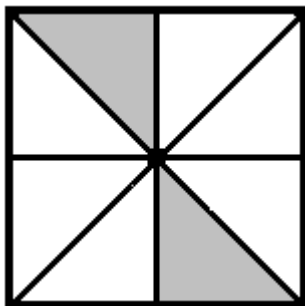
$316 \cdot 5$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8) Look at this shape.

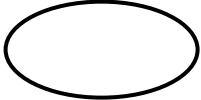
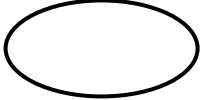
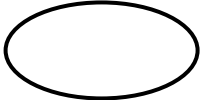
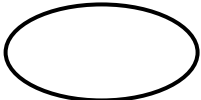


a)  $\frac{2}{4}$  of the shape is shaded.

b)  $0 \cdot$  \_\_\_\_\_ of the shape is shaded.

c) \_\_\_\_\_% of the shape is shaded.

9) Complete with the signs  $>$ ,  $<$  or  $=$ .

- a)  $500 \text{ ml} \times 2$    $1 \text{ litre}$
- b)  $23 + 89$    $111$
- c)  $1 \text{ right angle}$    $135^\circ$
- d)  $5 \frac{1}{4} \text{ kg}$    $5.3 \text{ kg}$
- 

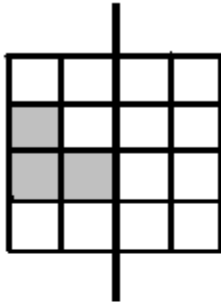
10) Match these **measurements** to the **object**.

6 metres	2 metres	80 cm	17cm
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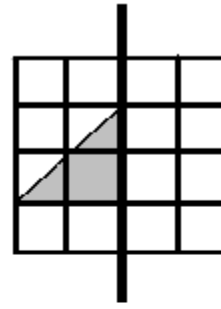
- a) A **desk** is about \_\_\_\_\_ high.
- b) A **door** is about \_\_\_\_\_ high.
- c) A **new pencil** is about \_\_\_\_\_ long.
- d) A **two-storey** house is about \_\_\_\_\_ high.
-

11) Complete to form a **symmetrical shape**.

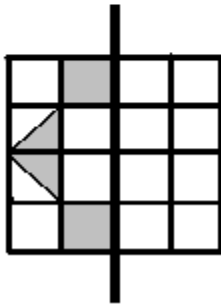
a)



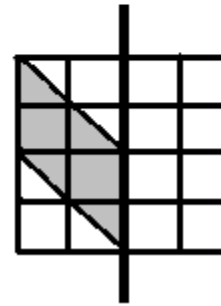
b)



c)



d)



12) The hands on this clock face show **03:00**. They form a **right angle**.



- a) i) At **06:00** the clock hands form **an angle** of \_\_\_\_\_<sup>o</sup>
- ii) The clock hands form **an angle** of 120<sup>o</sup> at \_\_\_\_\_.
- b) The **minute hand** turns **from**
- i) **03:05 to 03:35**. It goes through \_\_\_\_\_ **right angles**.
- ii) **03:10 to 03:55**. It goes through \_\_\_\_\_ **right angles**.

- 13) Mr. Borg buys **24** bookmarks at **28c** each.  
Miss Pace buys **18** different bookmarks at **35c** each.

**Complete the working:**

$$24 \times 20 \text{ c} = 480 \text{ c}$$

$$18 \times \underline{\quad} \text{ c} = 540 \text{ c}$$

$$24 \times \underline{\quad} \text{ c} = \underline{192} \text{ c}$$

$$18 \times 5 \text{ c} = \underline{90} \text{ c}$$

a) Mr Borg spends **Lm** \_\_\_\_\_

b) Miss Pace spends **Lm** \_\_\_\_\_

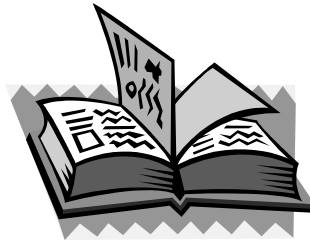
c) One person spends \_\_\_\_\_ **more** than the other.

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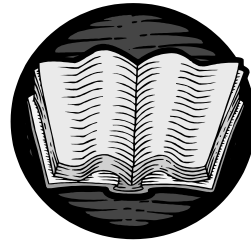
- 14) Karl takes these books to school.



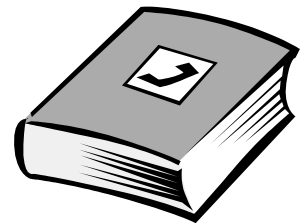
**750g**



**600g**



**450g**



**1kg**

These **books** and **Karl's bag** weigh 3 kg 400 g **together**.

a) These **4 books together** weigh \_\_\_\_\_ **kg** \_\_\_\_\_ **g**

b) Karl's **empty bag** weighs \_\_\_\_\_ **kg** \_\_\_\_\_ **g**

One day Karl takes an **extra** book to school.

The weight of Karl's bag and the **5 books** is 4 kg 250 g.

c) The **extra book** weighs \_\_\_\_\_ **kg** \_\_\_\_\_ **g**.

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15) **Karl, Mark and Kate** go to 'The Tasty's Sweet Shop'.

They look at this list of items.

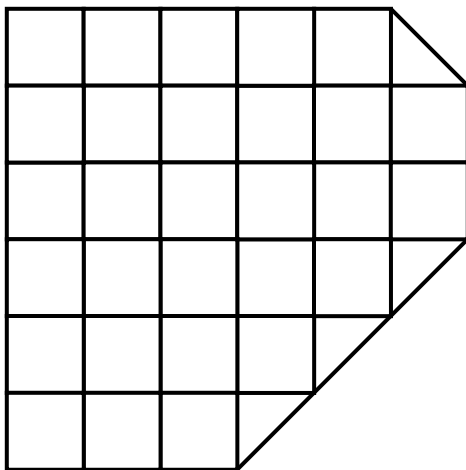
Each buys **two different** items from this list.

<b>The Tasty's Sweet Shop</b>	
<b>A tin of biscuits</b>	<b>Lm 4.55</b>
<b>1 large juice packet</b>	<b>Lm 1.30</b>
<b>1 box of chocolate</b>	<b>Lm 3.25</b>
<b>1 ice cream</b>	<b>Lm 0.70</b>
<b>6 fancy cakes</b>	<b>Lm 1.75</b>
<b>Party cake</b>	<b>Lm 5.45</b>

**Find which *two items* each child buys.**

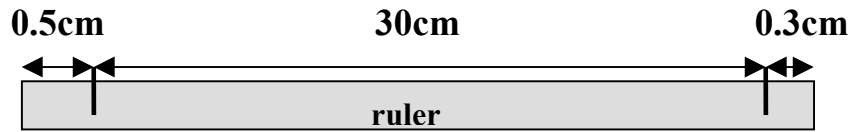
- a) **Karl** spends **Lm2**. He buys \_\_\_\_\_  
and \_\_\_\_\_
- b) **Mark** spends **Lm5**. He buys \_\_\_\_\_  
and \_\_\_\_\_
- c) **Kate** spends **Lm10**. She buys \_\_\_\_\_  
and \_\_\_\_\_

16) This shape is made up of **squares** and **half squares**.  
The side of **each small square** is **1 cm**.



- a) The **area** of the shape is \_\_\_\_\_ **cm<sup>2</sup>**.
- b) Inside this shape, **shade** a **rectangle** with a **perimeter** of **18 cm**.
- c) To make a **square** of **side 6cm** \_\_\_\_\_ **more small squares** are needed.

17a) A wooden **30cm** ruler has **0.5cm extra** length on one end and **0.3cm extra** length on the other end.



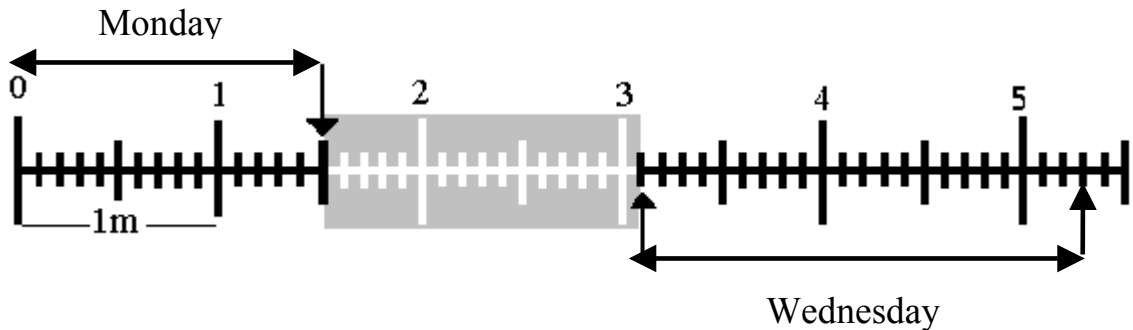
i) The **whole length** of the ruler is \_\_\_\_\_ • \_\_\_\_\_ **cm**.

ii) **50** such rulers are cut from one length of wood.

The whole length of the wood is \_\_\_\_\_ **m** \_\_\_\_\_ **cm**.

\_\_\_\_\_

17b) The picture shows the length of ribbon sold.



**1.5 metres** of ribbon were sold on **Monday**.

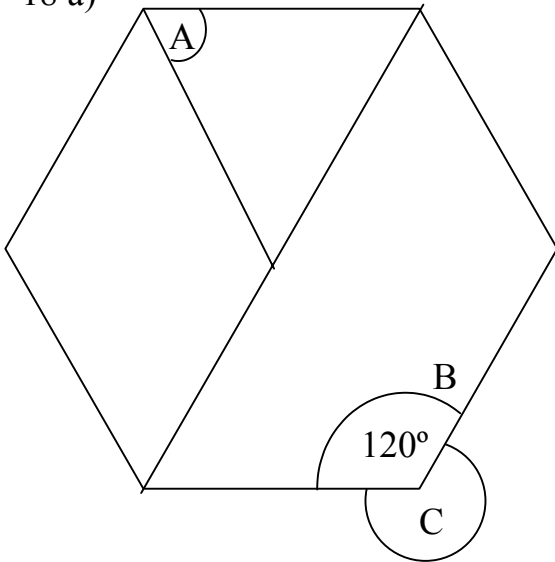
The grey part shows the length of ribbon sold on **Tuesday**.

i) On **Tuesday** \_\_\_\_\_ **metres** were sold.

ii) On **Wednesday** \_\_\_\_\_ **metres** more were sold than on Tuesday.

\_\_\_\_\_

18 a)



i) Underline the **correct word**.

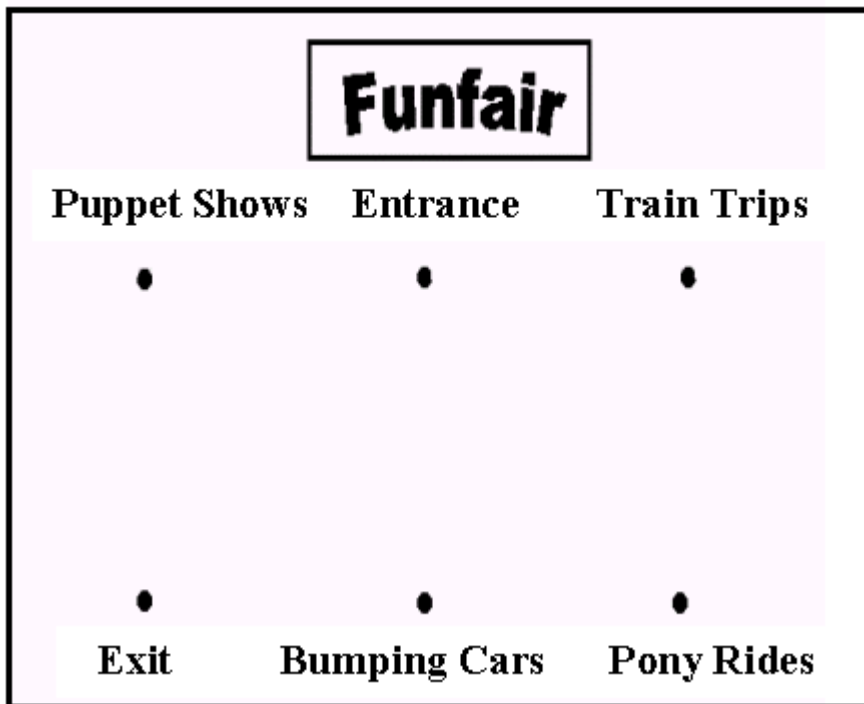
**Angle A** is (obtuse, acute, a right angle).

ii) **Angle B** is  $120^\circ$ .

Fill in:

**Angle C** is \_\_\_\_\_  $^\circ$ .

18 b) Look at this plan of the Funfair ground.



**Complete**

i) The **Bumping Cars** are \_\_\_\_\_ of the **Entrance**.

ii) **Puppet Shows** are **North West** of the \_\_\_\_\_.

iii) The **Exit** is \_\_\_\_\_ of the **Entrance**.

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19. An evening concert started at 18.00.

The choir sang for 15 minutes.

A play followed. It ended at 19:30.



- a) Show with an **arrow** on the time line:
- the time **the choir finished** singing;
  - the time **the play ended**.
- b) The play lasted \_\_\_\_\_ h \_\_\_\_\_ min.



- c) Presentation of certificates took the last 20 minutes.
- The concert ended at \_\_\_\_\_ :
- 

20) A washing machine takes 16 litres of water to fill up its tub **once**.

The tub is filled 4 **times** to complete a washing programme.

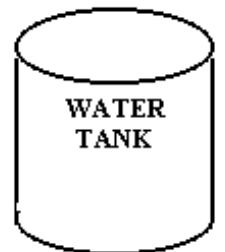
- a) A total of \_\_\_\_\_ litres of water is used.

To complete a washing programme, the washing machine uses

$\frac{1}{8}$  **of the water** in the water tank on the roof.



- b) The full water tank holds \_\_\_\_\_ litres.



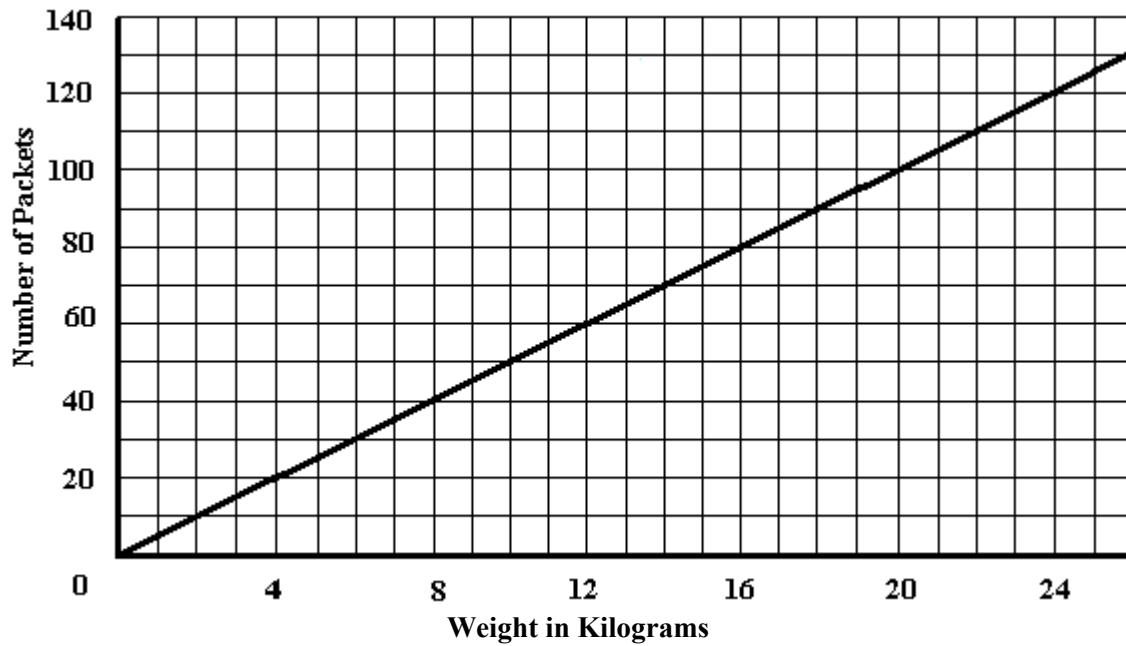
c) A family of 6 persons uses 548 litres of water in 1 day.

1 person uses \_\_\_\_\_ litres of water in 1 day.

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21) The graph shows the **weight** of packets of biscuits.



a) Complete the **table** from the graph.

Weight in kilograms	1	4			20
Number of packets	5		60	90	

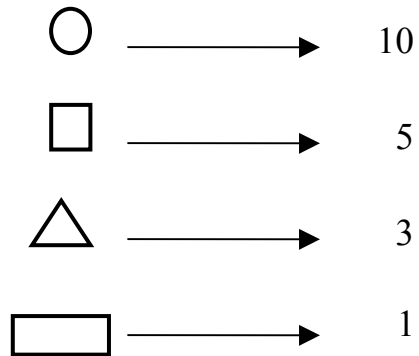
b) Work out the weight of **1 packet** of biscuits.

\_\_\_\_\_ g.

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- 22) Three teams take part in a competition.  
Shapes are used for points.

Shape	Number of points
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These tables show the result of a competition.

Fill in the spaces to complete each table.

Stars	Champions	Supremes
○ ○ ○ ○	_____	○ ○ ○ ○ ○
□ □ □ □	□ □ □ □ □	□ □
△ △ △	△ △ △ △ △ △	
	▭ ▭	▭ ▭ ▭
<b>70 points</b>	<b>75 points</b>	<b>72 points</b>

**End of Paper**

Marking Scheme: Numbers 1 - 8 (8 × 3 marks) 24 marks.  
 Numbers 9 - 12 (4 × 4 marks) 16 marks.  
 Numbers 13 - 22 (10 × 6marks) 60 marks.  
 100 marks.