PRIMARY SCHOOLS FINAL EXAMINATIONS 2001

Educational Assessment Unit – Education Division

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

Name : _____　　　　Class : _____

1)　　3 3 4　　(2)　　4 7 3　　(3)　　9 8 6　　(4)　　1 3 7 9
　　　　6 2　　　　 **+** 3 9 5　　　 **−** 5 4 2　　　　 **−** 8 8 4
　 + 　　 1
　　 ‾‾‾‾‾‾　　　　 ‾‾‾‾‾‾　　　　 ‾‾‾‾‾‾　　　　 ‾‾‾‾‾‾

　 ‾‾‾‾‾‾

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5)　　　　 2 3 5　　　　　　　　(6)
　　　 x 　　 4　　　　　　　　 7) 5 kg 7 4 0 g

　　　 ‾‾‾‾‾‾‾

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7) **Fill in:**

2 coins of (25c) = 3 coins of (___c) and 4 coins of (5c)

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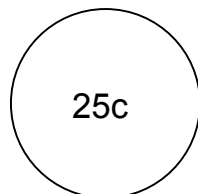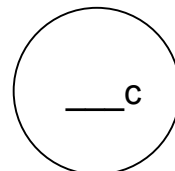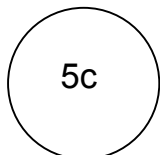
8) **Add** together:

16·8m, 1·5m and 345·08m

Answer: _____

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9) **Fill in** with: **< , = , >**

　a)　4kg ☐ 400g　　　　　　(b)　3·03m ☐ 3m 30cm

　c)　$\frac{1}{2}$ l ☐ 50 m l　　　　　(d)　1 $\frac{2}{3}$ ☐ $\frac{10}{6}$

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10) a) Arrange in size order, **biggest first**:

$\frac{2}{5}$, 0·06, 60%   _____, _____, _____

   b) **Complete**: 7·15, 7·09, 7·03, _____

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11) **Fill in** the **missing numbers**.

   a) 65 = (9 x ☐) **+** 2

   b) 48 **x** 35 **=** (48 **x** 5) **+** (48 **x** ☐)

   c) John has 493 cards.

   He wants to share the cards

   among 29 children.

   Look at John's **working**.

   Fill in the **missing numbers**.

```
  4 9 3
− 2 9 0   →  29 x  / 10 \
  2 0 3               |  ☐  |
− 1 4 5   →  29 x     \    /
    5 8
−   5 8   →  29 x    \  2  /
      0
  ____
```

Answer: **Each child gets** ☐ **cards.**

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12)
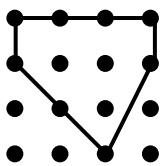
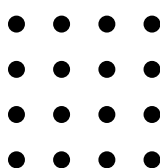Ann joins the dots to draw this shape.

Look at the **shape**.

a) i) How many **sides** does the shape have?

____ sides

ii) How many **right angles** does the shape have?
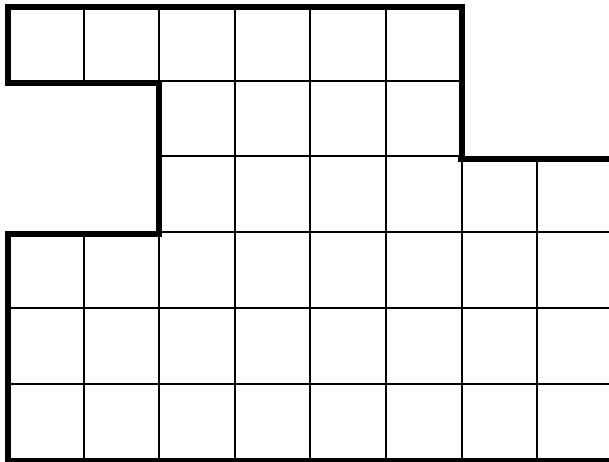
____ right angles

Look at the **dots**.

b) Draw a **closed shape** with **4 sides** and **1 right angle**.

2

13) Look at the shape.

It is made from small squares.

Each small **square** is of **side 1cm.**

a) The **perimeter** of the **whole shape** is

_____cm.

b) The **area** of the **whole shape** is _____cm^2.

c) i) **Draw** on this shape a **rectangle** with an **area of 24cm^2**.

Shade your rectangle.

ii) The **perimeter** of **your** rectangle is _____cm.

_____

14) **Coffee** is **sold** in **3** different **sizes.**
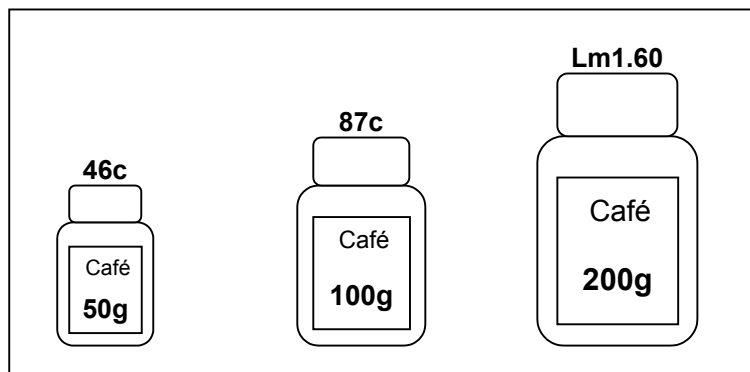
a) Mummy buys **one 100g** jar and **one 200g** jar.

She **spends** Lm_____ in all.

b) Daddy buys **two 50g** jars and **two 100g** jars.

He **spends** Lm_____ in all.

c) Daddy **spends** _____c **more** than Mummy.

_____

15) Paul is in his **room**. His **toys** are all over the floor.

   a) In what **direction** is:

   i) the **kite from** the **ball**? _____

   ii) the **boat from** the **top**? _____

   b) Paul is at the **centre** (O) facing
   North.

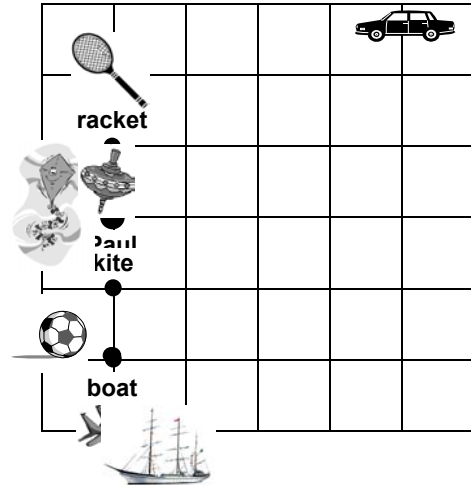   Which **toy** does he **face**:

   i) when he turns **1**$\frac{1}{2}$ **right angles**

   clockwise? _____

   ii) when he turns $\frac{1}{2}$ a **right angle anticlockwise**? _____

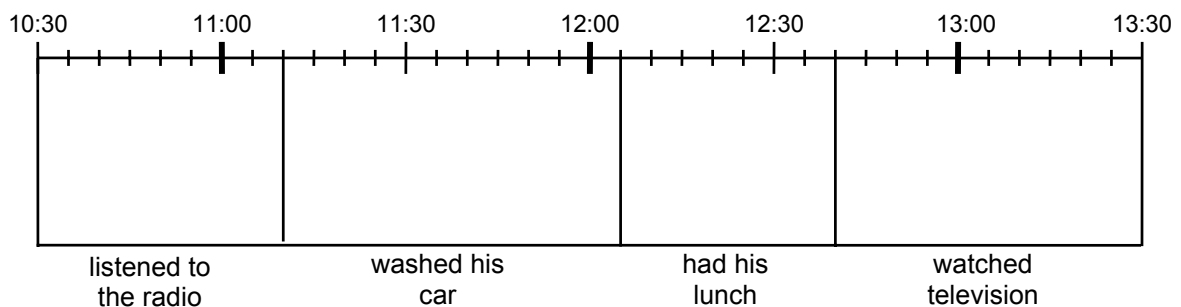   c) Now Paul is at the centre (O) facing **South**.

   i) He turns _____ **degrees clockwise** to **face** the **car**.

   ii) He turns _____ **degrees anticlockwise** to **face** the **ball**.

_____

16) The pictures tell us **how** Grandpa **spent** some of his **time** yesterday.
   The times given are **24-hour times**.

10:30	11:00	11:30	12:00	12:30	13:00	13:30

listened to the radio	washed his car	had his lunch	watched television

   a) What **was** Grandpa **doing** at:
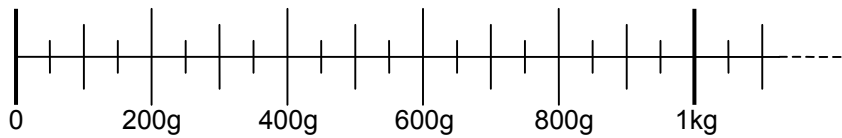
   i) 11:50am? _____

   ii) 15 minutes past 1 in the afternoon? _____

   b) **How long** did he spend having **lunch**? _____ minutes

   c) **Before** listening to the radio, Grandpa **spent 45 minutes** reading
   the paper. He **started** reading the paper at _____.

4

17) The diagram shows the **scale** of a **weighing machine**.

a) **Draw** a **pointer (↓)** on the scale to show **750g**.

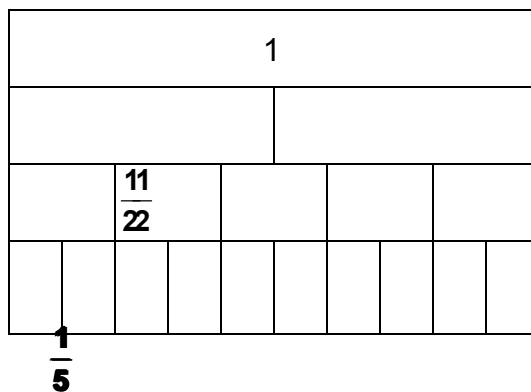|					
0	200g	400g	600g	800g	1kg

b) **1 bag** of flour weighs **750g**.

i) **10 bags** of flour weigh _____kg_____g.

ii) **18 bags** of flour weigh _____kg_____g.

c) 18 bags are **put** in a **box** and **weighed**. The pointer reads **14kg**.

The **weight** of the **empty box** is _____g.

_____

18) a) Use the **fraction chart** to work out:

1				
	$\frac{11}{22}$			

$\frac{1}{5}$

i)

ii)

iii)

b) **Complete**:

$\frac{1}{10}$

$$2\frac{1}{10} - \frac{1}{5}$$

$$2 + \frac{1}{10} - \frac{1}{5} \rightarrow 2 + \frac{1}{10} - \frac{2}{10}$$

$$\rightarrow 1 + 1 + \frac{1}{10} - \frac{2}{10}$$

$$\rightarrow 1 + \frac{\square}{10} + \frac{1}{10} - \frac{2}{10}$$

$$\rightarrow 1 + \frac{\square}{10} - \frac{2}{10} \rightarrow \square \frac{\square}{\square}$$

_____

19) The **graph** shows the **weight in kilograms** of **all the pupils** in a Year 6 class.
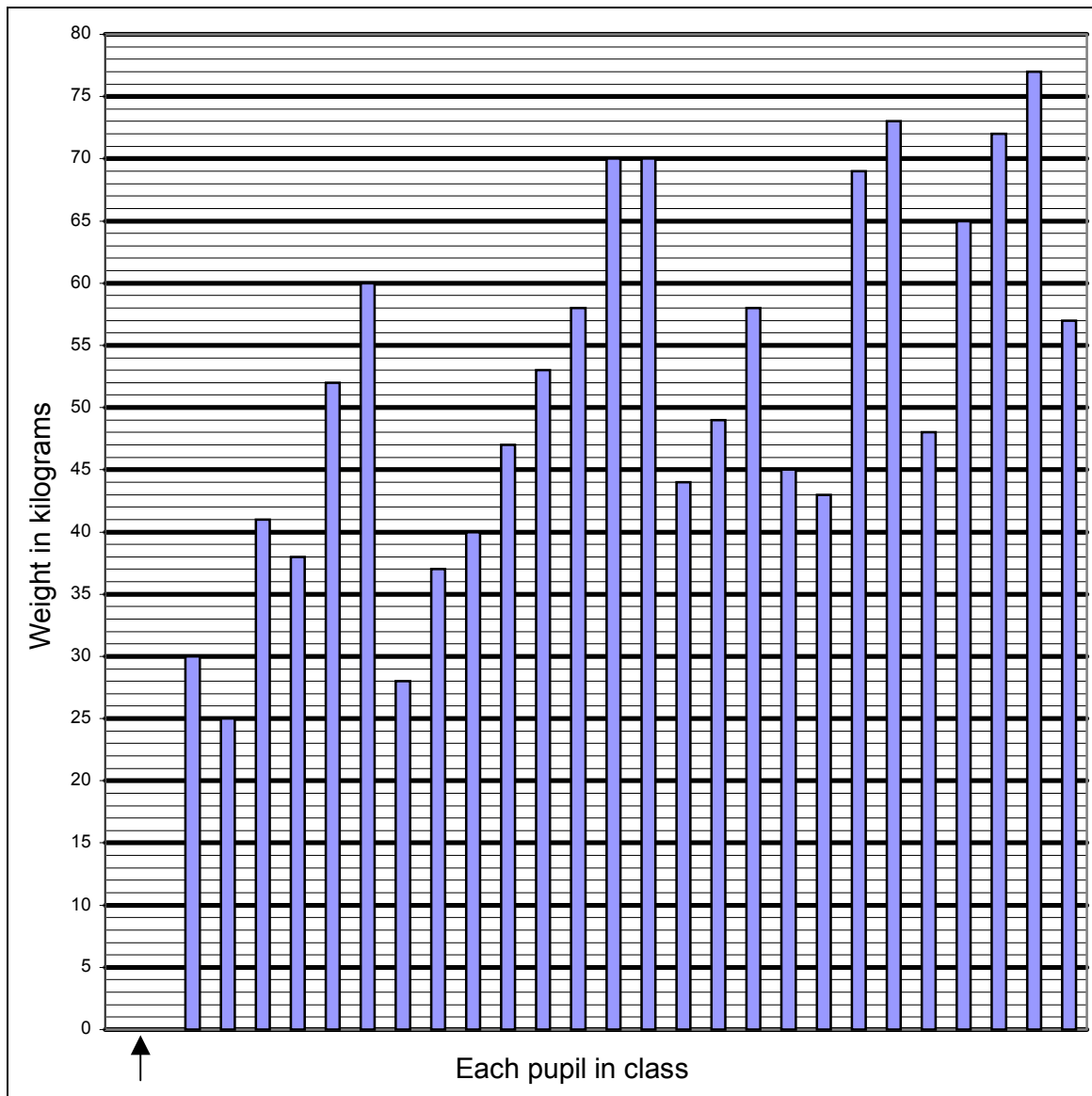
Use the **graph** to **answer** the following:

a) The **total number** of pupils in class is _____.

b) i) The **lightest** pupil weighs _____kg.

  ii) The **heaviest** pupil weighs _____kg.

c) A **new pupil** joins this class. He weighs **56kg**.

  i) Show this **weight** on the **graph.** Start from the **arrow (↑).**

  ii) How many **pupils** weigh **less** than **56kg**? _____ pupils.

  iii) How many **pupils** weigh **more** than **56kg**? _____ pupils.

20) Look at the **table**. It shows the **number of tourists** who visited Hagar Qim. They came from **four countries**.

Nationality	English	German	Italian	French
Number of Tourists	240	160	120	80

a) The number of _____ tourists was **twice** as many as the number of **French** tourists.

b) The **total** number of tourists was _____.

c) What **fraction** of the tourists were **Italian**? ⬜/⬜
(Give your **answer** in its **lowest terms**.)

d) What **percentage** of the tourists were **Italian**? ____%

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21) On Sports Day **medals** and **points** are given as follows:

1st place

Gold Medal

3 points

2nd place

Silver Medal

2 points

3rd place

Bronze Medal

1 point

**Look** at the **table**. It shows the medals and points **won** by three teams: **Greens, Blues, Reds.**

Complete the table. **Fill in** the **missing numbers**.

	Number of **Gold** Medals	Number of **Silver** Medals	Number of **Bronze** Medals	**Total** Number of **Medals**	**Total** Number of **Points**
Greens	5	5	6	16	31
Blues	4	__	3	12	__ __
Reds	2	__	__	10	19

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22) | **1 box of crayons** costs **twice** as much as **3 rulers**.

a) With the **cost** of **1 box of crayons** I can **buy ___ rulers**.

b) **1 box of crayons** and **1 ruler** together cost **Lm 1·05**.

CRAYONS + ▭ = Lm 1·05
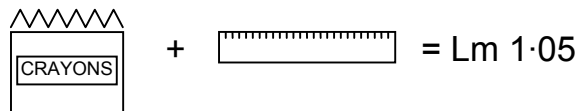
The **cost** of : i) **1 ruler** is ____c.

ii) **1 box of crayons** is ____c.

Mark Scheme Numbers 1 - 8 = 3 marks x 8 = 24 marks
　　　　　　Numbers 9 - 12 = 4 marks x 4 = 16 marks
　　　　　　Numbers 13 - 22 = 6 marks x 10 = 60 marks
　　　　　　　　　　　　　　Total　　　　　　= 100 marks