

PRIMARY SCHOOL ANNUAL EXAMINATIONS 2007

Educational Assessment Unit – Education Division

YEAR 6

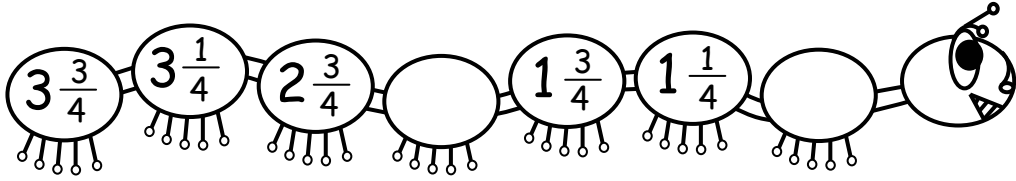
MATHEMATICS

TIME: 1h 30min

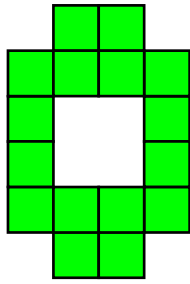
Name: _____

Class: _____

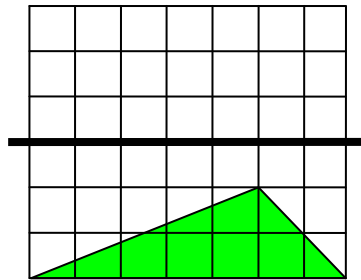
1. Fill in correctly.

a	$86 + \square = 100$
b	$\square + 35 = 70$
c	$28 + 22 = 50$ $2.8 + 2.2 = \square$
d	$57.9 \times 10 = \square$
e	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;"> Area 81 cm^2 </div> <div> The area of the square is 81 cm^2. The length of each side is \square cm. </div> </div>
f	$2400 \text{ km} - \square \text{ km} = 700 \text{ km}$
g	26 pencils cost Lm2.60 13 pencils cost Lm \square
h	The value of 3 in 73486 is \square
i	200 minutes = \square hours \square minutes
j	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin: 0 5px;">1</div> <div style="border: 1px solid black; padding: 5px; margin: 0 5px;">3</div> <div style="border: 1px solid black; padding: 5px; margin: 0 5px;">6</div> <div style="border: 1px solid black; padding: 5px; margin: 0 5px;">10</div> <div style="border: 1px solid black; padding: 5px; margin: 0 5px;">\square</div> <div style="border: 1px solid black; padding: 5px; margin: 0 5px;">21</div> <div style="border: 1px solid black; padding: 5px; margin: 0 5px;">28</div> <div style="border: 1px solid black; padding: 5px; margin: 0 5px;">\square</div> </div>
k	Double 3600 = $\square \times 4$
l	

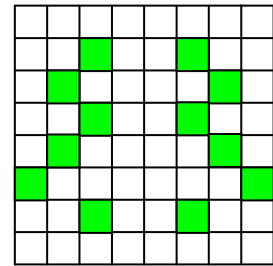
2. a) Draw the **lines of symmetry**.



b) Draw the **reflection** of the shape in the mirror line.



c) Draw the **mirror line** to make the shapes reflect each other.



3. a) Melanie went for a holiday to Greece.
Write the **total weight** of her luggage in kg.

_____ kg

b) Each person can only take 20 kg of luggage on the plane.
How many grams does Melanie have **more** than what is allowed?

_____ g

4. At his party Patrick puts **7 cakes on each plate**.
There are **8 plates** and **1 cake is left over**.



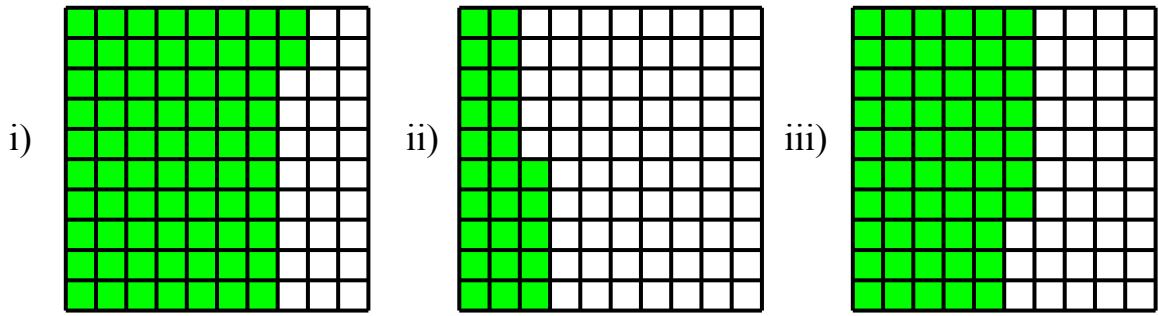
a) **How many** cakes are there in all?

_____ cakes

b) At the end of the party Patrick found that $\frac{1}{3}$ **of the cakes were not eaten**.
Find the number of **cakes not eaten**.

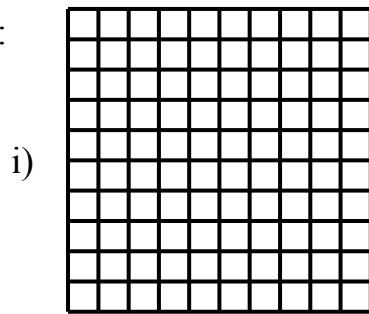
_____ cakes

5. a) Write the shaded part as a **decimal fraction**.

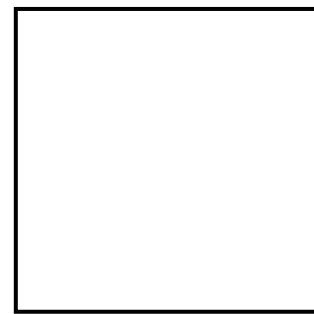


e.g. 0.72 _____ _____

b) **Shade:**

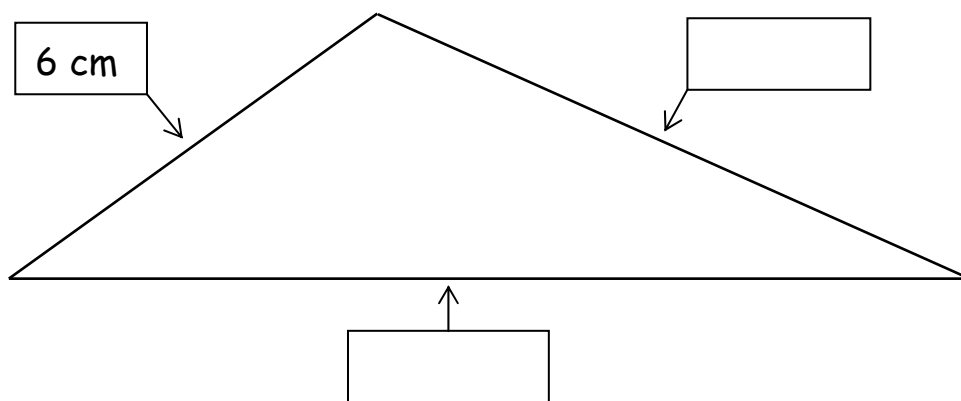


$\frac{3}{10}$ of the shape



$\frac{3}{4}$ of the shape

6. a) **Measure** and write down the length of each side of the triangle.



b) Work out the **perimeter** of the triangle.

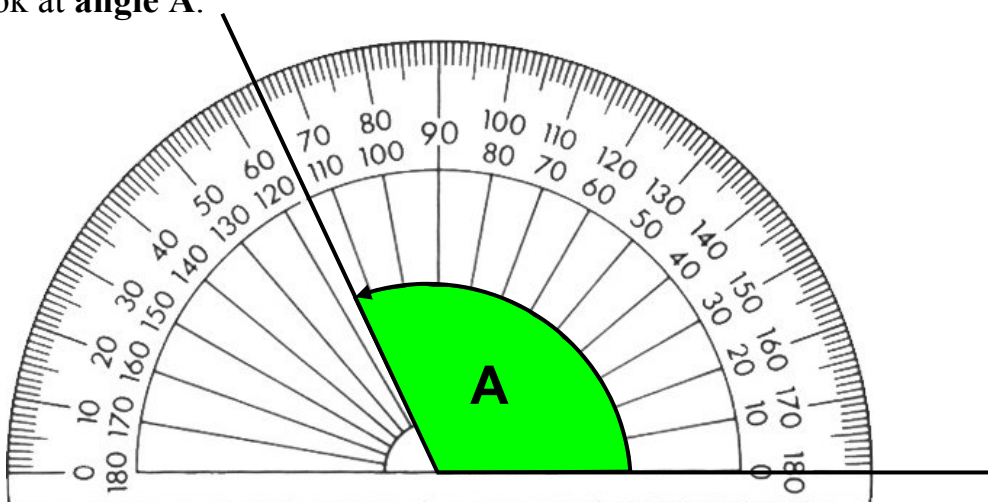
_____ cm

7. e.g. **784** rounded to the **nearest 10** is **780**.

e.g.	7	8	4	→	7	8	0		

- a) Round **316** to the **nearest 10** → _____
- b) Round **841** to the **nearest 100** → _____
- c) Round **2967** to the **nearest 1000** → _____
- d) Round **7.56** to the **nearest whole number** → _____

8. a) Look at **angle A**.



The size of **angle A** is _____^o

- b) **Use your protractor** to draw an angle of **45^o**.
Mark this angle with the letter **B**.

9. Use $>$, $<$, $+$, $-$, \div or \times to make the statements below correct.

a) $5 \cdot 4$ $1 \cdot 7 + 3 \cdot 4$

b) $1m4 = 25c$ 16

c) 930 m $6 = 155 \text{ m}$

d) $1\frac{1}{4}$ $\frac{1}{4} + \frac{1}{2} + \frac{3}{4}$

e) $1 \text{ hour } 15 \text{ minutes} = 50 \text{ minutes}$ 25 minutes

f) $1500 \text{ g} = 2 \text{ kg } 200 \text{ g}$ 700 g

10. This is the calendar for the month of **January 2007**.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

a) i) After the holidays, school started again on the **second Monday**. What **date** was it? _____

ii) Work out the **number of school** days in January. _____ days

b) i) What **day of the week** was the **last day** in January 2007? _____

ii) On 31st January Pauline spent **5 hours 15 minutes** at school. Change this time into **minutes**.

_____ minutes

11. Use the numbers below to make the statements correct.

Each number can be used **ONLY ONCE**.



a) + + = **750**

b) + - = **540**

12. a) The Mayor wants to plant **459 trees**.

He puts **27 trees** in each row.

Work out the **number of rows**.

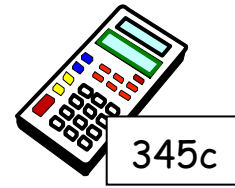
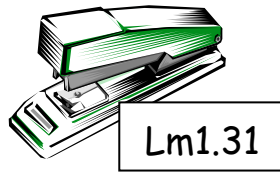
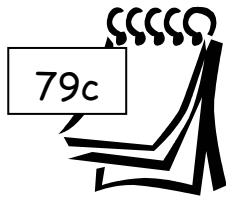
_____ rows

b) Each tree costs **Lm26**.

Fill in the empty spaces to find the cost of the **459 trees**.

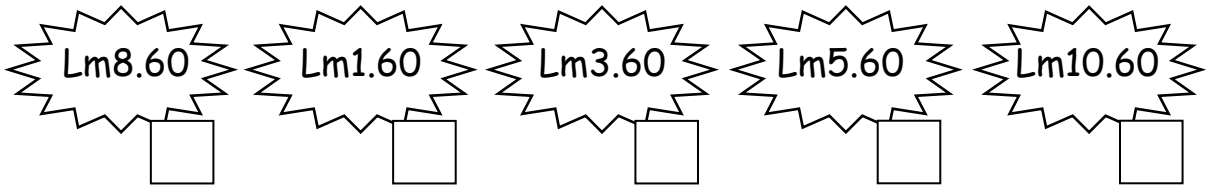
459	
× 26	
54	6 × 9
	6 × 50
2400	6 × 400
180	20 × 9
1000	20 ×
+ 8000	20 × 400

13. Martina had a Lm5 note.
She rounded each price to the nearest 10c and **estimated** that she needed Lm4.60 to buy the following items:



- a) Martina made a **mistake** in her estimation.

Tick 4 the **correct estimate** for the cost of the three items.



- b) Find the **total cost** of the three items.

Lm _____

- c) By **how much** was Martina's estimation **smaller or greater** than the actual cost?

Lm _____

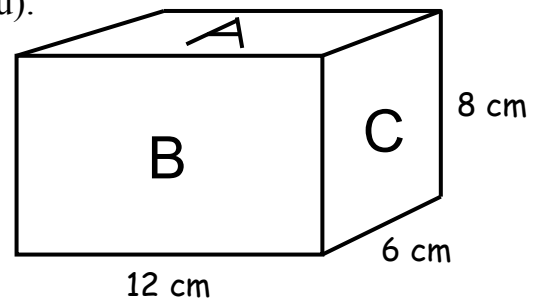
14. The diagram shows a cuboid 12 cm by 6 cm by 8 cm.

- a) Fill in correctly (the first one is done for you).

i. Face A = 12 cm × 6 cm =

ii. Face B = 12 cm × 8 cm =

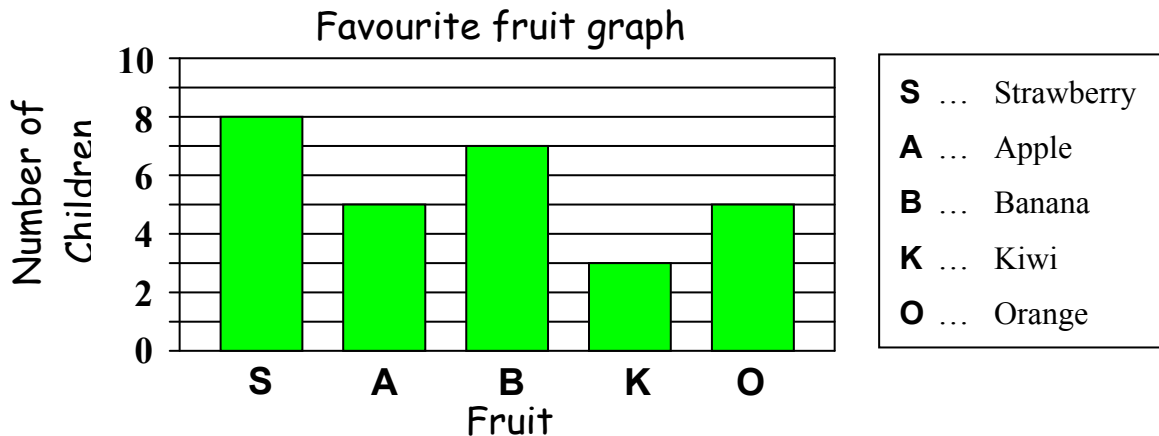
iii. Face C = =



- b) Work out the **total area** of the **six faces** of the cuboid.

_____ cm²

15. Children in a class were asked to vote for their **favourite fruit**.
The graph shows the result of the voting.



- a) Which **two fruits** received **equal votes**? _____
- b) Which fruit was **least** voted for? _____
- c) i) How **many children, in all**, took part in the voting? _____ children
 ii) What **fraction** of all the children voted for **banana**? _____
 iii) Write this fraction in its simplest form. _____
-

16. a) Write a fraction that lies between these two fractions:

$$\boxed{\frac{1}{3}} \quad \boxed{\phantom{\frac{1}{3}}} \quad \boxed{\frac{1}{2}}$$

- b) Fill in the spaces with **two numbers** to make a **total of 115**.

$$\boxed{} + \boxed{} + \boxed{39} = 115$$

- c) Put **three** of the digits **1, 2, 3, 4, 5, 6, 7, 8** and **9** in the spaces to make the multiplication correct.

$$\boxed{} \times \boxed{} \cdot \boxed{} = 24.5$$

END OF PAPER

Marks' distribution:

number 1	(2 marks × 12)	=	24 marks
numbers 2 – 8	(4 marks × 7)	=	28 marks
numbers 9 – 16	(6 marks × 8)	=	48 marks
	Total	=	100 marks