PRIMARY SCHOOL ANNUAL EXAMINATIONS 2009
Directorate for Quality and Standards in Education
Educational Assessment Unit

YEAR 6 **MATHEMATICS** **TIME: 1h 30min**
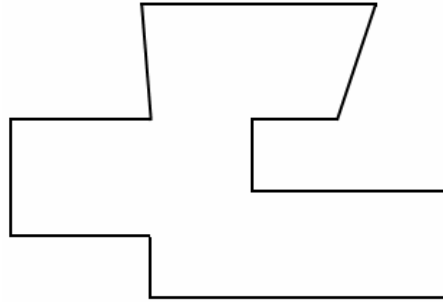
Name: _____ Class: _____

1. Fill in correctly:

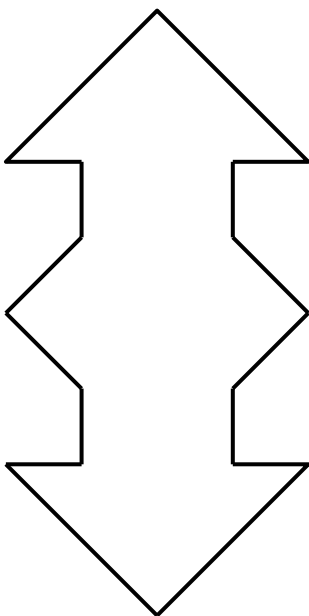|	
a)	25 + 75 = ☐ .
b)	100 – 49 = ☐ .
c)	Half of 140 is ☐ .
d)	The value of 4 in 94687 is _____.
e)	0·25 x 4 = ☐ .
f)	8 x 7 = ☐ = _____ tens _____ units.
g)	85 + 15 = 20 x ☐ .
h)	Double 65 is ☐ .
i)	129 ÷ 10 = ☐ .
j)	30min x 5 = _____h _____min.
k)	€5 + €2 + 50c + 50c + 20c + 10c = €_____ · _____.
l)	18 x 28 = 36 x _____ = _____ x 7 = 504.

2 a) Look at this shape.

Complete:

In this shape there are _____ **horizontal lines**.

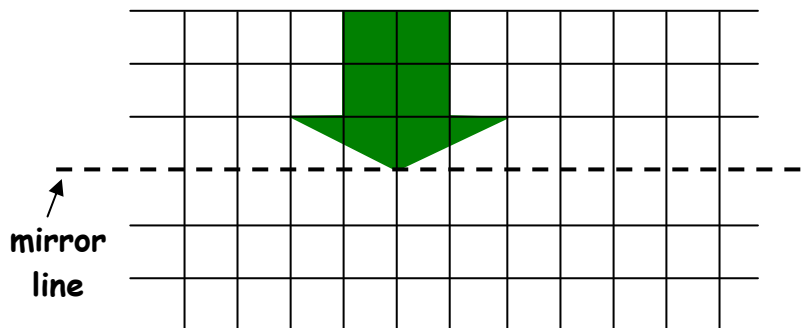b) Write these numbers in order from the **largest to the smallest**:

2·13,   0·213,   213,   21·3

_____   _____   _____   _____

_____

3 a) Draw the **lines of symmetry** of this shape:

b) Draw the **reflection** of the shaded shape in the mirror line:

mirror
line

_____

4 a) These are 10 apples.

| 180g | 1800g | 18000g |

i) Choose the closest weight.

The **closest weight** of the ten apples is _____g.

ii) Write the weight of the apples in kilograms.

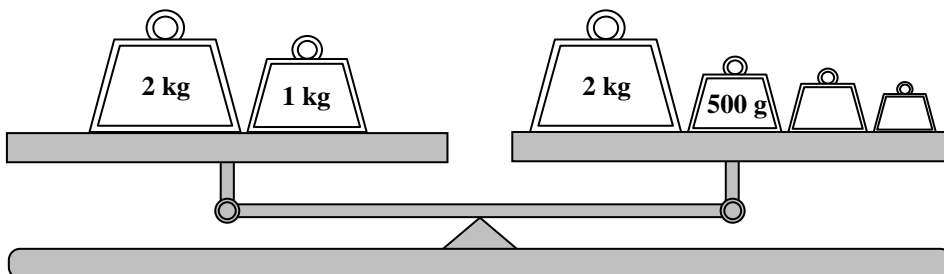This weight in **kilograms** is _____·_____kg.

b) Tick (✓) under **two** of these weights to **balance** the scale.
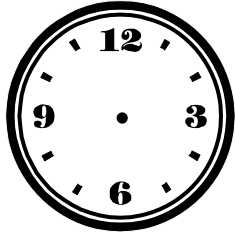
300 g   **150 g**   **200 g**   **100 g**

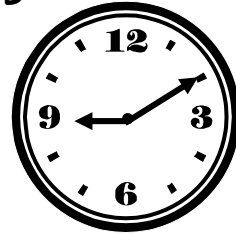☐   ☐   ☐   ☐

5. James left home at **8:20 a.m.** and went to the supermarket.

a) Draw the hands on clock **A** to show this time.

Clock **A**

Clock **B**

b) James arrived home at the time shown on clock **B**.

James arrived home at _____ a.m.

c) James was away from home for _____ **minutes**.

_____

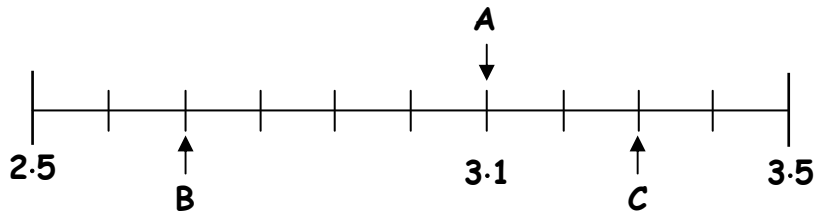6. Put **+**, **−**, **×**, or **÷** in each of the circles to make the statements true.

a) 97 ◯ 4 = 388

b) 875g ◯ 625g = 1·5kg

c) 2·35 ◯ 5 = 0·47

d) 3m ◯ 2m 45cm = 55 cm

7. Arrow **A** points to **3·1** on the number line.

A
↓

2·5 _____ 3·1 ____ 3·5

B   C

a) Arrow **B** points to _____ on the number line.

b) Arrow **C** points to _____ on the number line.

c) The **difference** between the two numbers **B** and **C** is _____.

_____

8 a) Shade $\frac{3}{4}$ of this shape.
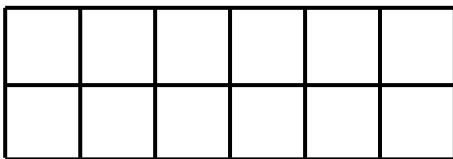
b) Fill in with > , < or =.

i) $\dfrac{3}{8}$ ☐ $\dfrac{1}{2}$ ii) $\dfrac{4}{5}$ ☐ $\dfrac{2}{3}$ iii) $\dfrac{1}{4}$ ☐ $\dfrac{3}{12}$

_____

9. This shape is divided into two rectangles.
   The area of rectangle A is **12cm²**.

6cm

A

5cm

4cm

I

2cm
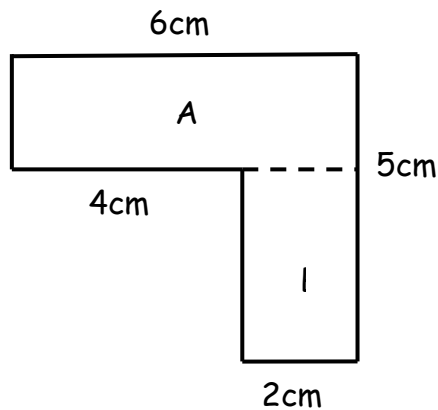
a) Rectangle A is 6cm long and _____ cm **wide**.

b) The **area** of rectangle B is _____ cm².

c) The **total area** of the shape is _____cm².

_____

10. Sam has a piece of string 288cm long.

He cuts it into pieces and makes a number of squares.
Each square is of side 4 cm.

a) Find **the perimeter** of each square.

4 cm

_____ cm

4 cm

b) How many **squares** does Sam make in all?

_____ squares

11 a) These are the coins that Lyn had in her pocket.

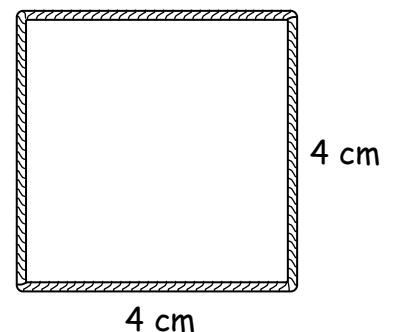
How much money did Lyn have altogether? €_____·_____

b) Lyn spent **all** her money on **three** of these things:
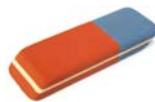
notebook	ruler	rubber	pen	pencil case
€2·50	73c	93c	€1·20c	€5·57

Which **three** things did Lyn buy?

She bought the _____, the _____

and the _____.

_____

12 a) Round each number to the **nearest 10**:

   i) 214 $\longrightarrow$ _____

   ii) 337 $\longrightarrow$ _____

b) Round each number to the **nearest 100**:

   i) 888 $\longrightarrow$ _____

   ii) 245 $\longrightarrow$ _____

c) Round each number to the **nearest whole number**:

   i) 12·25 $\longrightarrow$ _____

   ii) 38·59 $\longrightarrow$ _____

_____

13 a) These are four squares.

Draw **two** more squares to form **the net of a cube**.

b) Write the name of each **solid**.

Choose from **cube**, **cuboid**, **cylinder**, **sphere**, **cone** and **pyramid**.

i)	6 square faces 8 vertices 12 edges	_____
ii)	2 circular faces 1 curved face 2 circular edges	_____
iii)	1 circular face 1 curved face 1 vertex 1 circular edge	_____
iv)	4 triangular faces 1 square base 5 vertices 8 edges	_____

14. Look at the calendar for the months of March and April 2009.
    Public holidays are shown shaded on the calendar.

March 2009						
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				

| **April 2009**						
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		

a) **March 18th** is a _____.

b) **April 2nd** is a **Thursday**.

The date on the Thursday one week before is _____.

c) Tim and his father go fishing on **Saturdays**, **Sundays** and **all public**

holidays. In all Tim and his father go fishing _____

times in **March** and **April**.

d) On **all the other days**, Tim's father goes to work. Tim's father

goes to work _____ **times** in **March** and **April**.

_____

15. The graph shows the number of **coins** in Nicole's money box.
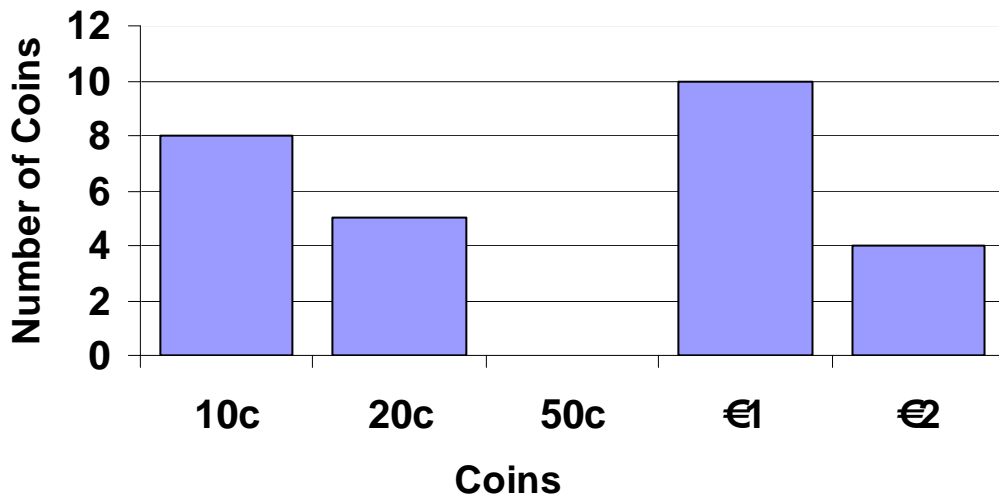
Complete:
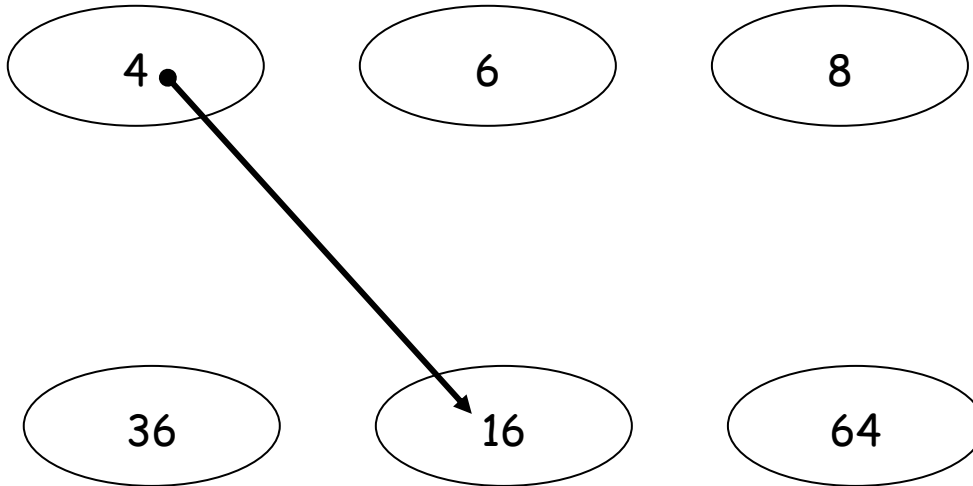
a) Nicole has _____ **€1 coins**.

b) The number of **10c coins** and **20c coins** altogether is _____.

c) The number of **10c coins** and **20c coins** make € _____ · _____.

d) The amount of money in **50c coins** in Nicole's money box is €3.50.

   Show the number of **50c coins** on the graph.

_____

16 a) Join each number to its **square**.

b) Look at the subtractions below.
   The numbers in each pair are the same.
   Write the missing numbers.

i) $\boxed{20 \times 20}$ − $\boxed{\underline{} \times 10}$ = 300

ii) $\boxed{30 \times 30}$ − $\boxed{\underline{} \times \underline{}}$ = 500

iii) $\boxed{40 \times 40}$ − $\boxed{30 \times 30}$ = $\underline{}$

iv) $\boxed{\underline{} \times \underline{}}$ − $\boxed{40 \times 40}$ = 900

END OF PAPER

Marking Scheme	Nos.	1 *a* - *1*	12 × 2	=	24
		2 - 8	7 × 4	=	28
		9 - 16	8 × 6	=	48
				TOTAL	100