

PRIMARY SCHOOL ANNUAL EXAMINATIONS 2009

Directorate for Quality and Standards in Education

Educational Assessment Unit

YEAR 6

MATHEMATICS

TIME: 1h 30min

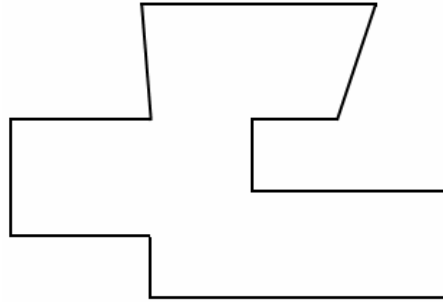
Name: _____

Class: _____

1. Fill in correctly:

a)	$25 + 75 = \boxed{}$.
b)	$100 - 49 = \boxed{}$.
c)	Half of 140 is $\boxed{}$.
d)	The value of 4 in <u>9</u> 4687 is _____.
e)	$0.25 \times 4 = \boxed{}$.
f)	$8 \times 7 = \boxed{} = \text{_____ tens } \text{_____ units}.$
g)	$85 + 15 = 20 \times \boxed{}$.
h)	Double 65 is $\boxed{}$.
i)	$129 \div 10 = \boxed{}$.
j)	$30\text{min} \times 5 = \text{_____ h } \text{_____ min}.$
k)	$\text{€}5 + \text{€}2 + 50\text{c} + 50\text{c} + 20\text{c} + 10\text{c} = \text{€} \text{_____} \cdot \text{_____}.$
l)	$18 \times 28 = 36 \times \text{_____} = \text{_____} \times 7 = 504.$

2 a) Look at this shape.



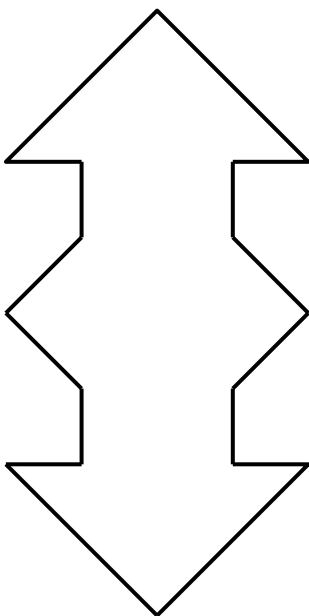
Complete:

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

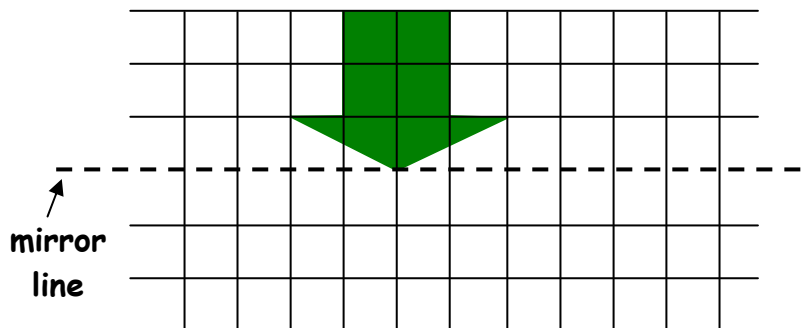
b) Write these numbers in order from the **largest to the smallest:**

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:



4 a) These are 10 apples.



180g	1800g	18000g
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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.

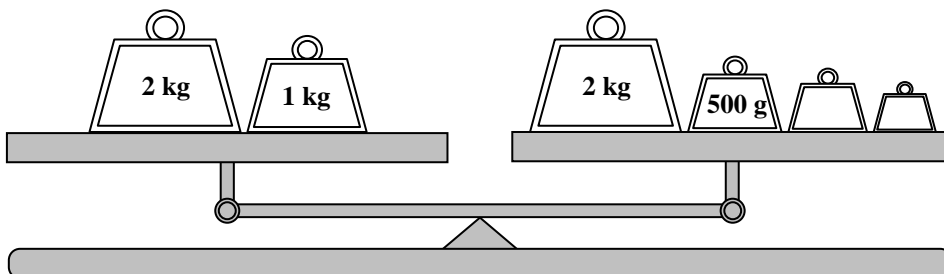
b) Tick (✓) under **two** of these weights to **balance** the scale.

300 g

150 g

200 g

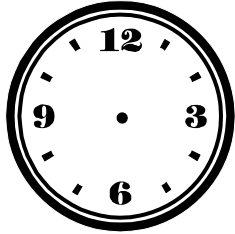
100 g



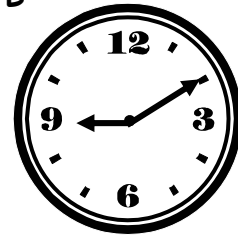
5. James left home at **8:20 a.m.** and went to the supermarket.

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.

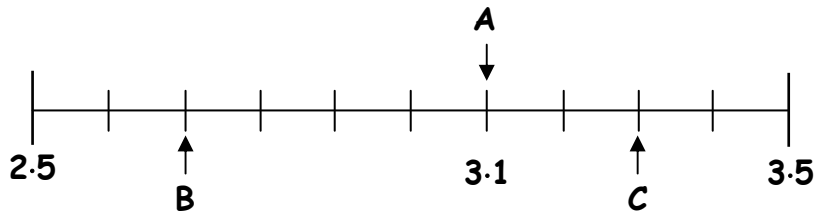
a) $97 \bigcirc 4 = 388$

b) $875g \bigcirc 625g = 1.5kg$

c) $2.35 \bigcirc 5 = 0.47$

d) $3m \bigcirc 2m\ 45cm = 55\ cm$

7. Arrow **A** points to **3.1** on the number line.

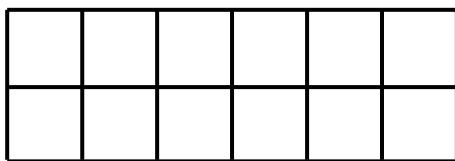


a) Arrow **B** points to _____ on the number line.

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.



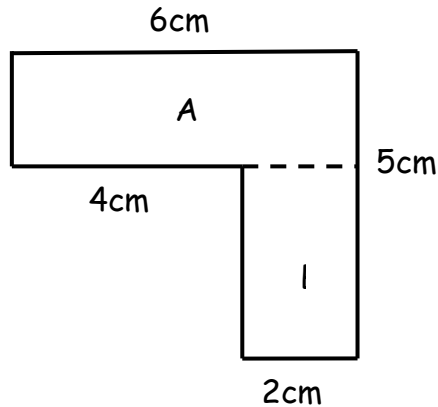
b) Fill in with $>$, $<$ or $=$.

i) $\frac{3}{8}$ $\frac{1}{2}$

ii) $\frac{4}{5}$ $\frac{2}{3}$

iii) $\frac{1}{4}$ $\frac{3}{12}$

9. This shape is divided into two rectangles.
The area of rectangle A is 12cm^2 .



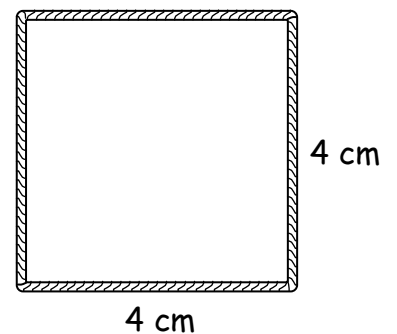
- a) Rectangle A is 6cm long and _____ cm **wide**.
- b) The **area** of rectangle B is _____ cm^2 .
- c) The **total area** of the shape is _____ cm^2 .
-

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.

_____ 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
€2.50



ruler
73c



rubber
93c



pen
€1.20c



pencil case
€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 → _____

ii) 337 → _____

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

i) 888 → _____

ii) 245 → _____

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

i) 12.25 → _____

ii) 38.59 → _____

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**.

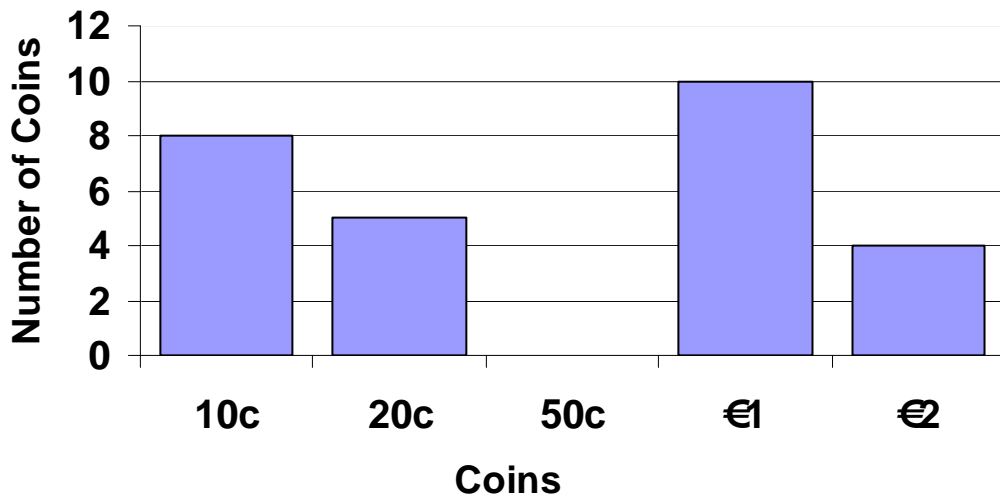
i)	6 square faces 8 vertices 12 edges	_____
ii)	2 circular faces 1 curved face 2 circular edges	_____
iii)	1 circular face 1 curved face 1 vertex 1 circular edge	_____
iv)	4 triangular faces 1 square base 5 vertices 8 edges	_____

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

March 2009							April 2009						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7				1	2	3	4
8	9	10	11	12	13	14	5	6	7	8	9	10	11
15	16	17	18	19	20	21	12	13	14	15	16	17	18
22	23	24	25	26	27	28	19	20	21	22	23	24	25
29	30	31					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**.

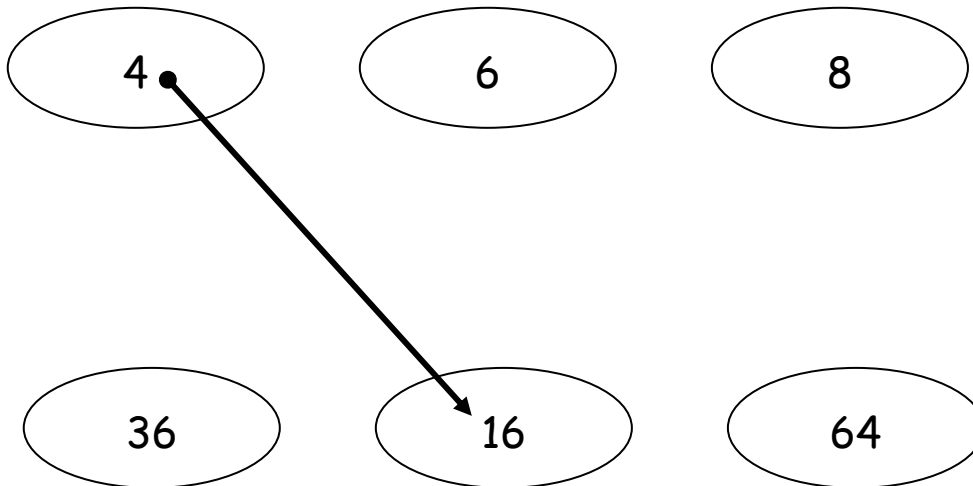
b) The number of **10c coins** and **20c coins** altogether is _____.

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) $(20 \times 20) - (\underline{\quad} \times 10) = 300$

ii) $(30 \times 30) - (\underline{\quad} \times \underline{\quad}) = 500$

iii) $(40 \times 40) - (30 \times 30) = \underline{\quad}$

iv) $(\underline{\quad} \times \underline{\quad}) - (40 \times 40) = 900$

END OF PAPER

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