Homework 1

1. Copy and complete the sentences below using words from the following list:

	balance metre-stick	beaker thermometer	Bunsen burner temperature	clamp tripod
(a)	Α	is u	used to measure lengt	th.
(b)	Α	is u	used to find out how h	ot boiling water is.
(c)	Α	is u	used to find out how h	eavy things are.
(d)	A thermometer m	easures		

2. The summer temperature in Iceland is 10°C. Wrens from Iceland have a wing length of 59 mm. On Shetland, where the summer temperature is 13°C, the wing length of wrens is 52 mm. The wing length of wrens in the Western Isles is 50 mm, where the summer temperature is 14°C. Mainland Scotland, with a summer temperature of 15°C, has wrens with the smallest wing length, only 48mm.

Use this information to copy and complete the table below.

Place	Summer temperature (°C)	Wing length of wren (mm)
Iceland		
Shetland		
Western Isles		
Mainland Scotland		

3. A Bunsen burner is set up in order to heat water in a beaker.

Copy and complete the paragraph, using the word bank.

Word bank: bubbles, tripod, heat mat, safety glasses



Homework 2

- **1.** In science the word 'kilo' means one thousand. A kilogram contains one thousand grams. A kilometre contains one thousand metres.
 - How many (a) grams i
 - a) grams in 2 kilogramsb) metres in 2.5 kilometres

(b)

- (b) metres in 2.5 kilometres(c) kilometres in 10,500 metres
- (d) kilograms in 3,200 grams.

2. What are the readings on the scales below?

(a)

b) 1 2/3 0 Kg 4



3. Copy and complete the following table

Length (cm) Breadth (cm)		Height (cm)	Volume (cm ³)
6	4	2	
5	12	1.5	
8		6	96
10	10		1000

4. Copy and complete the following table

ml	cm ³	litres
200		
480		
	8000	
		2.5

5. A stone of volume 25 cm³ is dropped into a measuring cylinder containing 50 ml of water. What would be the new water level?

	Homework 3						
1.	Α ρι	upil, who is attempting to find the mass of a marble, discovers the mass of 500 marbles is 1kg.					
	Calo	culate the mass of 1 marble.					
2.	A st	ack of 1000 sł	neets of pape	er is 100mn	n tall.		
(a) Calculate the thickness of one piece of paper.							
	(b)	How many s	How many sheets would you need to make a stack 150mm tall?				tall?
3.	A pu expe obta	A pupil carried out an experiment to find the boiling point of a liquid. The pupil repeated the experiments 5 times to obtain the most reliable result possible. The following results were obtained:					
			9	8°C, 100°	C, 104°C,	100°C an	nd 98°C.
	(a)) Find the mean boiling point of the liquid.					
	(b)) What liquid is the pupil using in the experiment?					
4.	The	The heights of some of the pupils in a class were measured in metres - these were					etres - these were
			1.21m;	1.32m;	1.28m;	1.24m;	1.37m;
			1.41m;	1.37m;	1.36m;	1.24m;	1.20m.
	(a)	a) What was the mean height of the class in metres?					
	(b)	(b) How many people were taller than average?					
	(c)	How many v	vere smaller	than average	ge?		
5.	The scientific unit of time is the second. If you were to measure the time needed to boil 1 litre of water and you got an answer of 3 minutes then this should be written as 180 seconds.						
	How many seconds are there in -						
	(i) (ii) (iii) (iv)	1 minute 1 hour 1 day 1 week.					