

Statistics

Resource Sheet
1.1E

See [S11E questionnaire.pdf](#). Remake into original questionnaire (i.e. without the results)

Resource Sheet
1.2A

	G1	G2	G3	R	Q	S	F/T	Mean	Median	Mode
Argentina	1	0	1							
Belgium	2	1	3	0						
Brazil	2	4	5	2	2	1	2			
Cameroon	1	1	0							
China	0	0	0							
Costa Rica	2	1	2							
Croatia	0	2	0							
Denmark	2	1	2	0						
Ecuador	0	1	1							
England	1	1	0	3	1					
France	0	0	0							
Germany	8	1	2	1	1	1	0			
Ireland	1	1	3	2 ^A						
Italy	2	1	1	1 ^B						
Japan	2	1	2	0						
Korea	2	1	1	2 ^C	5 ^D	0	2			
Mexico	1	2	1	0						
Nigeria	0	1	0							
Paraguay	2	1	3	0						
Poland	0	0	3							
Portugal	2	4	0							
Russia	2	0	2							
Saudi Arabia	0	0	0							
Senegal	1	1	3	2 ^E	0 ^F					
Slovenia	1	0	1							
South Africa	2	1	2							
Spain	3	3	3	3 ^G	3 ^H					
Sweden	1	2	1	1 ^I						
Tunisia	0	1	0							
Turkey	1	1	3	1	1 ^J	0	3			
United States	3	1	1	2	0					
Uruguay	1	0	3							

Resource Sheet
1.2D

Salary (£000s)	Frequency
20	
25	
30	
35	
40	
Total	

Salary (£000s)	Frequency
15 -	
20 -	
25 -	
30 -	
35 -	
Total	

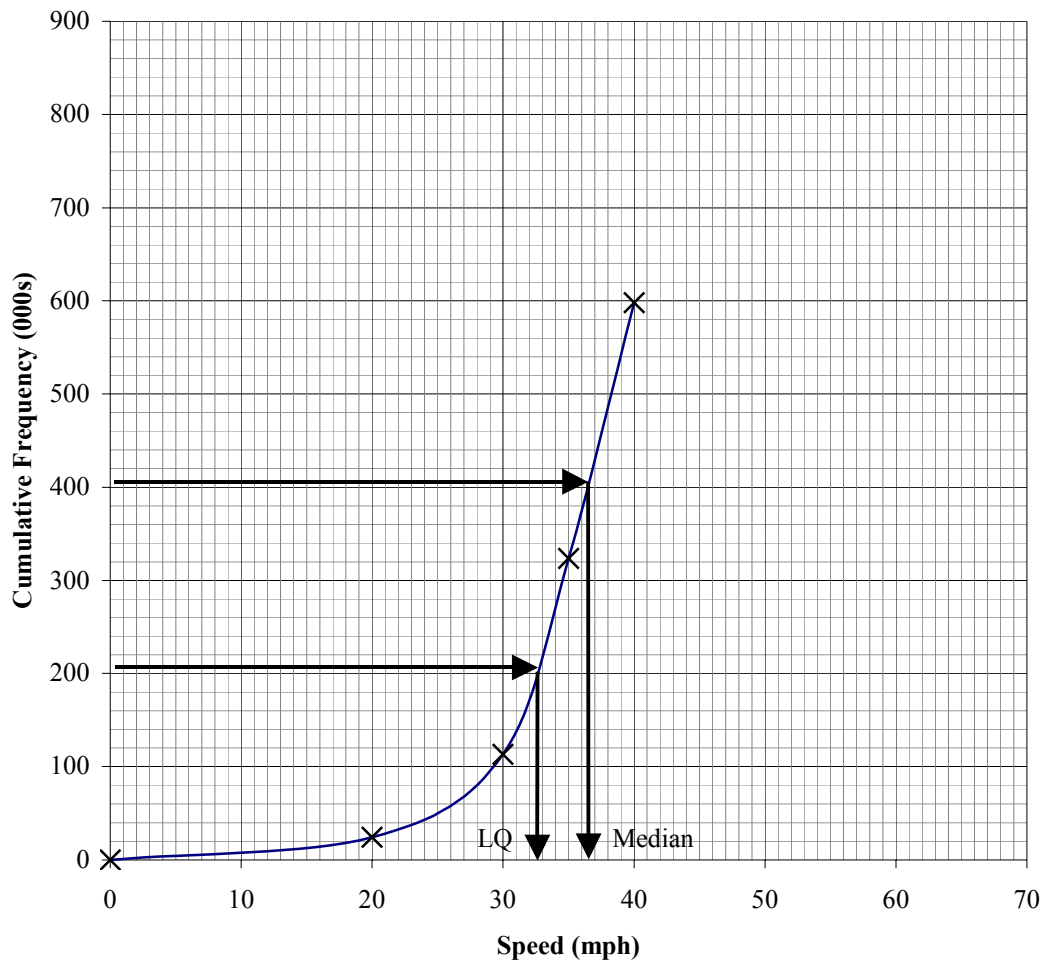
Resource Sheet
1.3C

Age (years)	Frequency (thousands)	Lower boundary	Upper boundary	Class width	Frequency density (thousands per year)
0 - 4	3299	0	5	5	$3299/5 = 660$
5 - 15	7078	5	16	11	$7078/11 = 643$
16 - 44	21775	16	45	29	
45 - 64	16316				
65 - 74	6239				
75 - 99	5219				

UK Age Distribution



Speed (m.p.h)	Cars
< 20	24270
< 30	113270
< 35	323530
< 40	598220
< 45	
< 50	
< 60	
< 70	



**Age
Year
% of conceptions**

15-19

1991
11.9

2000

20-24

1991
27.3

2000

25-29

1991
33.0

2000

30-34

1991
19.0

2000

35-39

1991
6.7

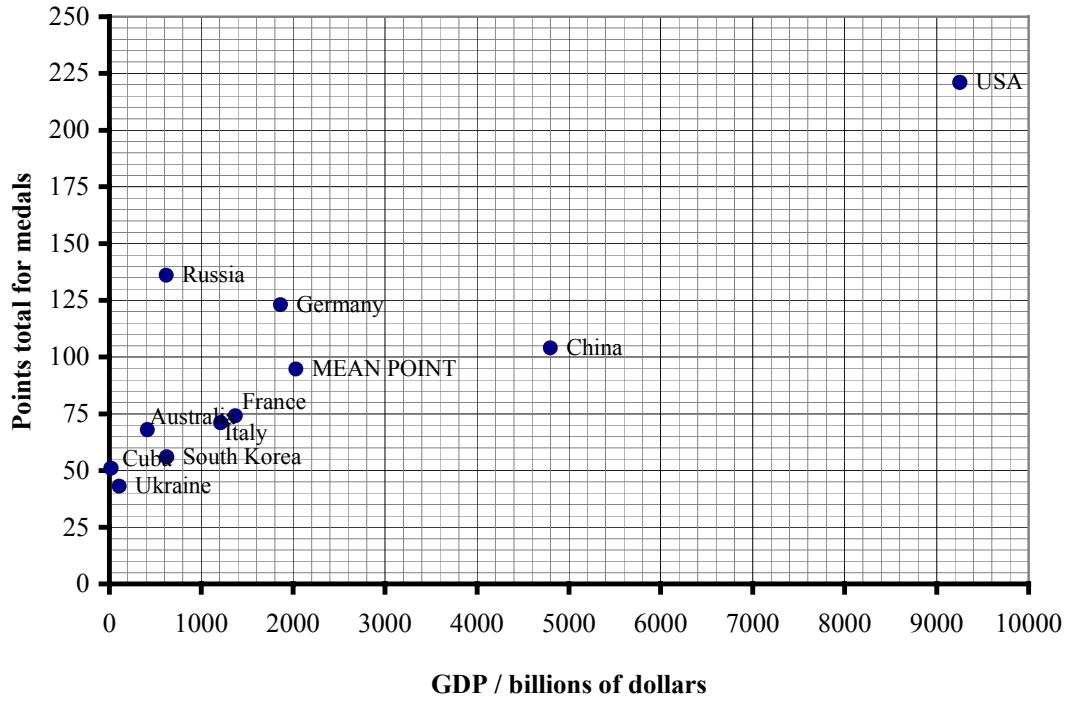
2000

40-44

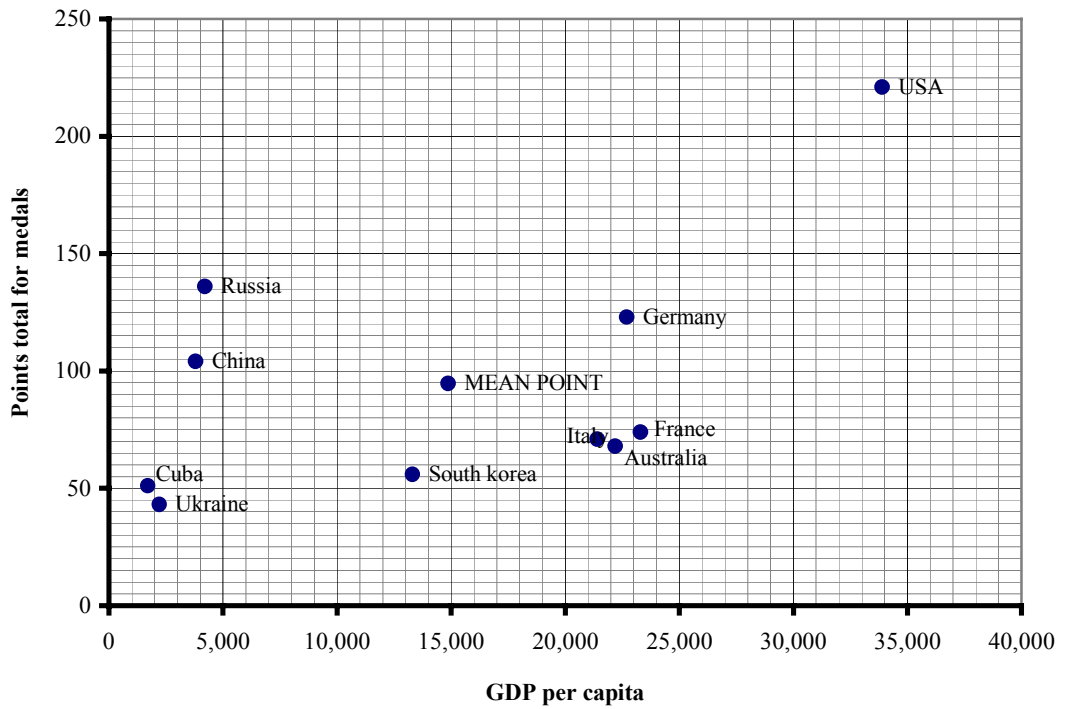
1991
1.4

2000

Performance in 1996 Olympics against Gross Domestic Product



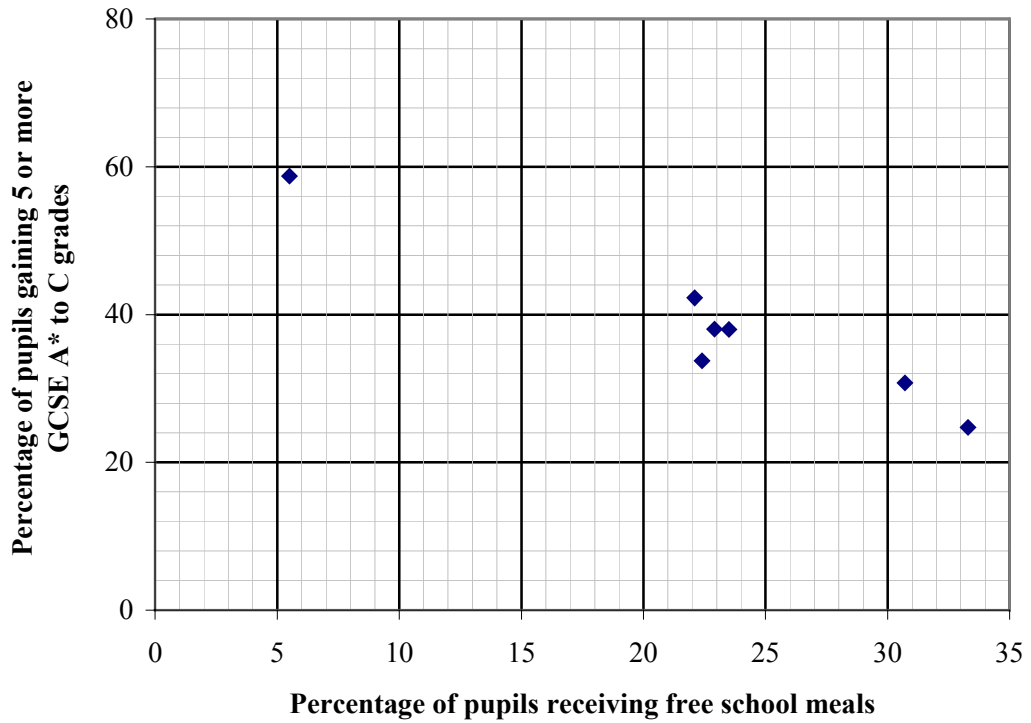
Performance in 1996 Olympics against GDP per capita



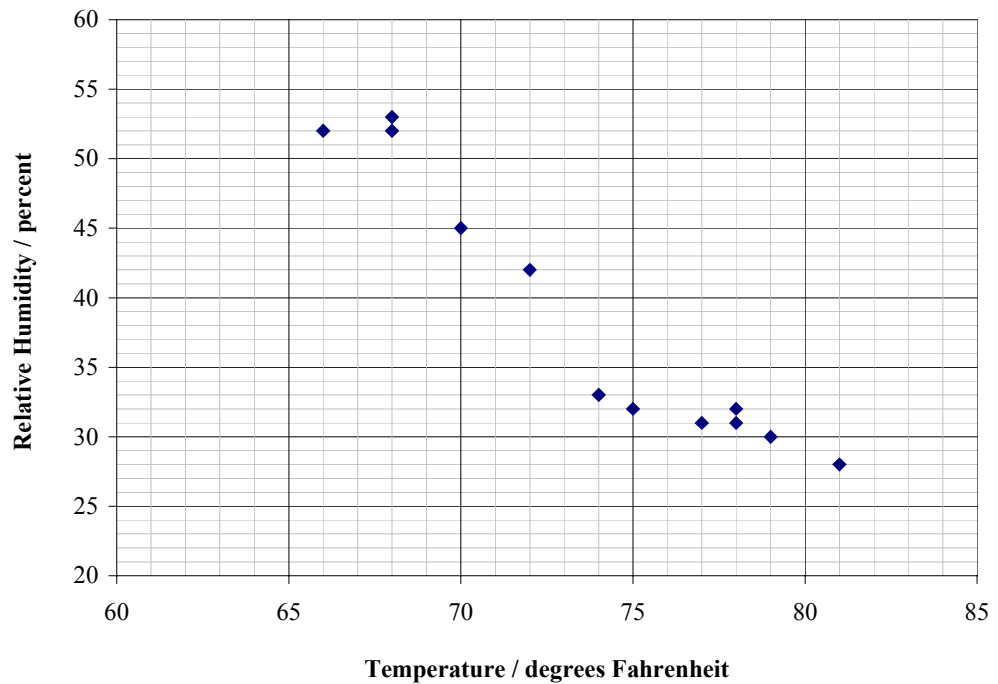
Region	Men	Women	$x - \bar{x}$	$y - \bar{y}$	$(x - \bar{x})(y - \bar{y})$
	x	y			
North West	0.45	0.27	0.06		
North East	0.44	0.26	0.05		
Yorkshire & Humber	0.42	0.23	0.03		
Merseyside	0.46	0.28	0.07		
East Midlands	0.43	0.23	0.04		
West Midlands	0.35	0.19	-0.04		
East of England	0.31	0.20			
South East	0.39	0.23			
South West	0.35	0.21			
London	0.31	0.19			

A	B	C	D	E	F
Student	Mark in first question (X)	Mark in second question (Y)	Product of marks in first and second questions (XY)	Square of mark in first question (X^2)	Square of mark in second question (Y^2)
1	6	5			
2	4	5			
3	4	5			
4	5	5			
5	4	5			
6	4	4			
7	3	4			
8	6	4			
9	3	5			
10	4	4			
11	3	1			
12	4	3			
13	4	5			
14	3	2			
15	2	3			
Totals:	$\Sigma X =$	$\Sigma Y =$	$\Sigma XY =$	$\Sigma X^2 =$	$\Sigma Y^2 =$

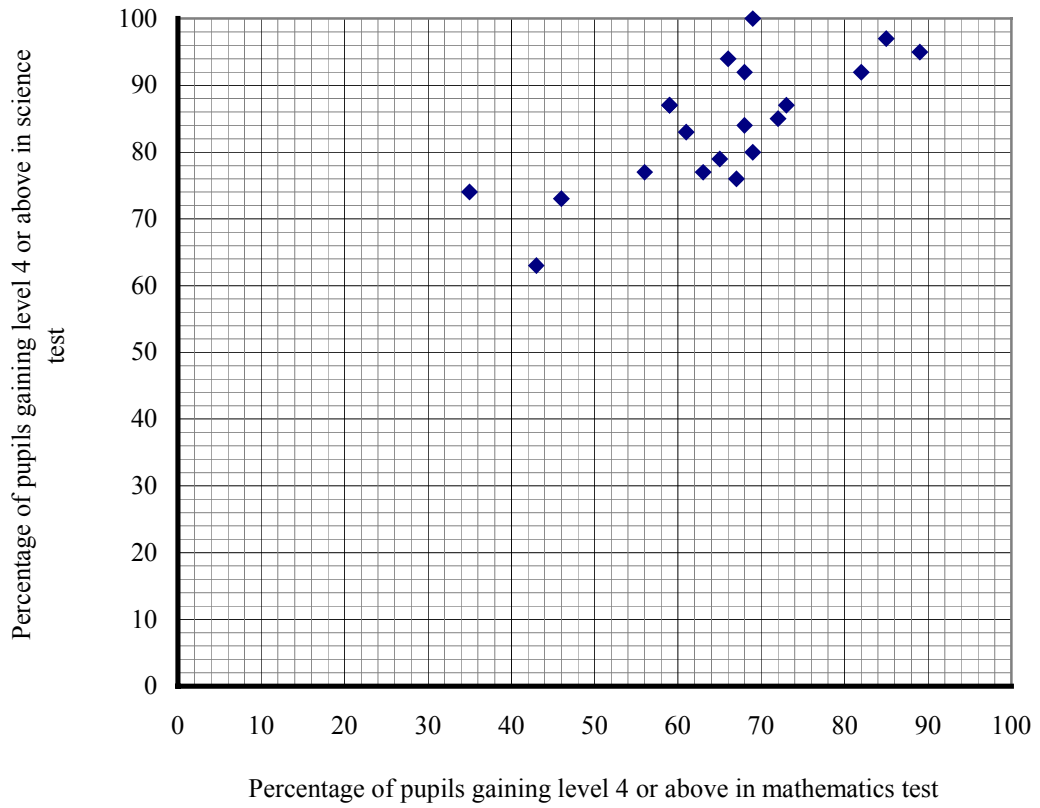
Scatter diagram showing GCSE performance against percentage of pupils receiving free school meals



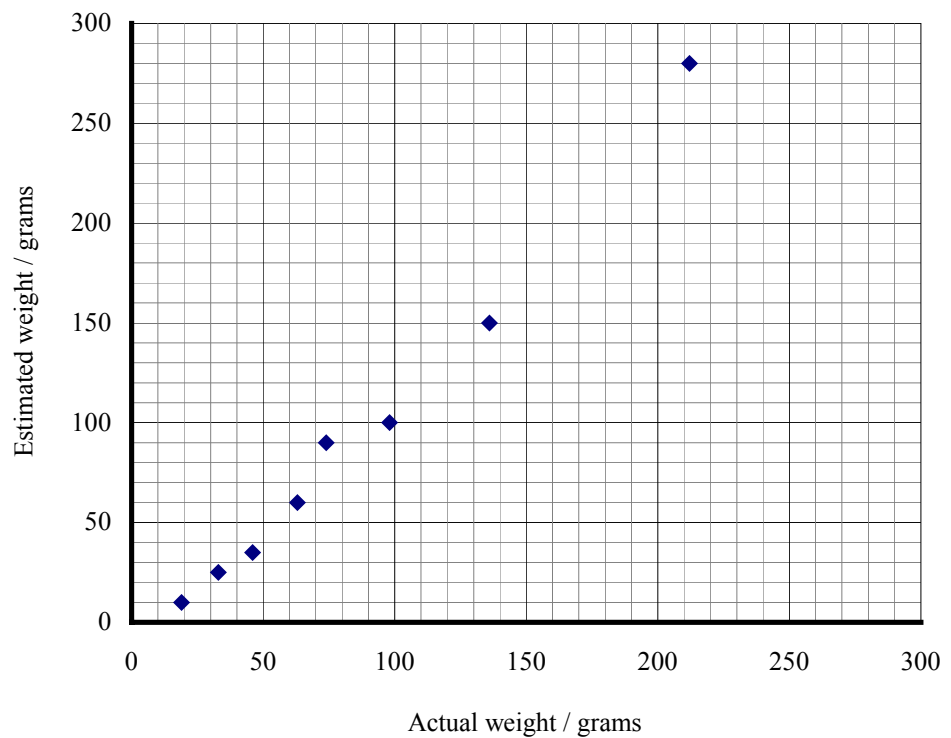
Relative Humidity against temperature



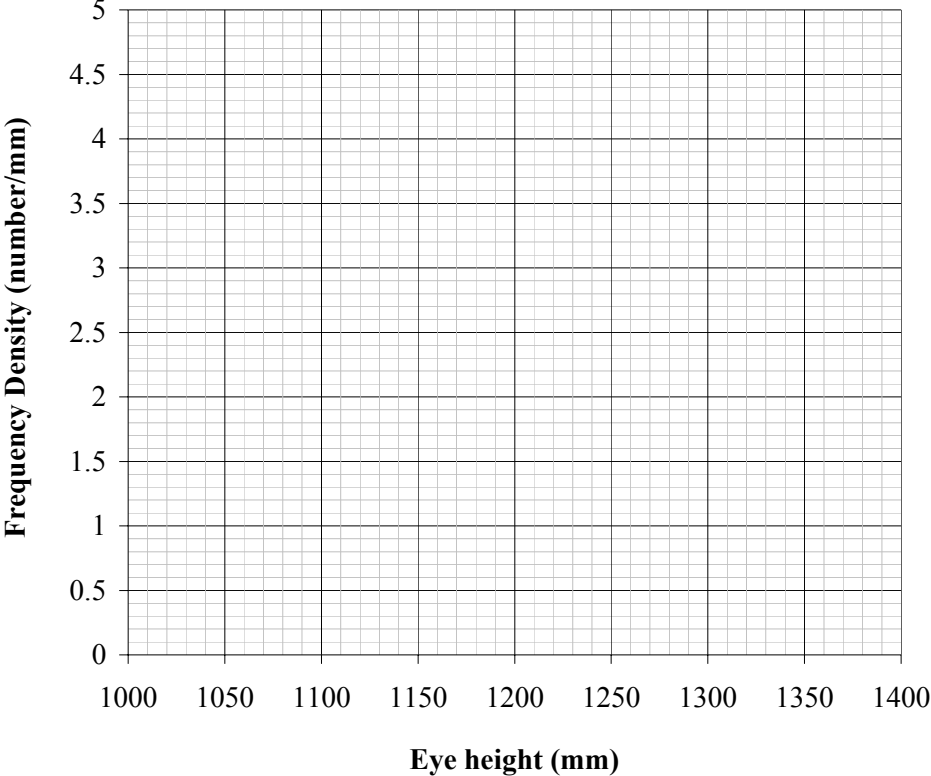
Mathematics and science test results for a sample of 20 primary schools



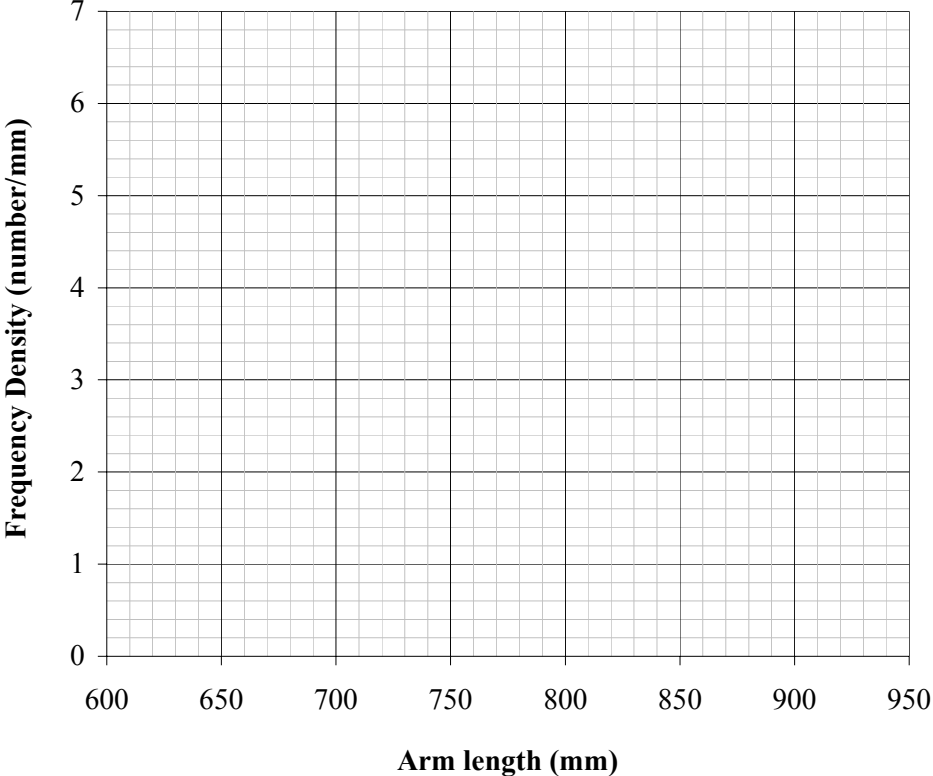
Actual and estimated weights / grams



Histogram of eye height



Histogram of arm length



Eye height (sitting) mm	Female frequency	Frequency density	Relative frequency density
1000 -	4	0.2	0.0004
1020 -	12	0.6	0.0012
1040 -	15	0.75	0.0015
1060 -	28	1.4	0.0028
1080 -	50		
1100 -	69		
1120 -	89		
1140 -	80		
1160 -	64		
1180 -	36		
1200 -	27		
1220 -	16		
1240 -	7		
1260 -	3		
Total	500		

