



Free-Standing Mathematics Qualification
Higher Level
June 2014

Data Handling

4986/PM

Unit 6

Preliminary Material

Data Sheet

**To be opened and issued to candidates between
Monday 21 April 2014 and Monday 5 May 2014**

REMINDER TO CANDIDATES

**YOU MUST NOT BRING THIS DATA SHEET
WITH YOU WHEN YOU SIT THE EXAMINATION.
A CLEAN COPY WILL BE MADE AVAILABLE.**

Dress sizes

In the UK, women's clothing size is traditionally indicated by numbers. In 1982, the British Standards Institute produced a standard set of sizes from 8 to 32.

However, stores are not required to use the British Standard. The result is that dresses with the same size number may have different measurements in different stores. A new standard (BS EN 13402) is intended to replace this system with one in which actual measurements are used, but this is not yet in common use.

Anna Powell-Smith from the 'What Size Am I?' website compared some measurements from ladies' dresses on sale in high street stores. The table below shows some of her results for size 14.

High street store	Bust (inches)	Waist (inches)
French Connection	37.4	31.1
M&S	37.8	31.1
Next	37.0	30.0
Topshop	38.2	31.2
Dorothy Perkins	38.2	30.7
Gap	39.0	31.5

Petrol prices

The table below shows the prices of unleaded petrol at the pump in some European countries in mid-January 2012.

Country	Pump price of unleaded petrol (pence per litre)
Bulgaria	99.5
Poland	105.3
Estonia	108.8
Lithuania	111.4
Spain	113.1
Slovenia	114.2
Austria	115.8
Malta	116.7
Ireland	122.9
Germany	130.7
United Kingdom	132.9

Royal engagements

The table below shows the number of engagements undertaken by some of the Royal Family during 2011.

	Engagements in the UK			Overseas engagements	Total
	Visits or opening ceremonies	Receptions or banquets	Meetings or audiences		
The Queen	81	54	190	45	370
Duke of Edinburgh	117	127	39	47	330
Prince of Wales	158	98	240	105	601
Duchess of Cornwall	128	42	20	60	250
Duke of York	101	66	160	128	455
Earl of Wessex	141	58	76	99	374
Countess of Wessex	88	33	38	32	191
Princess Royal	270	120	86	92	568

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The best green companies

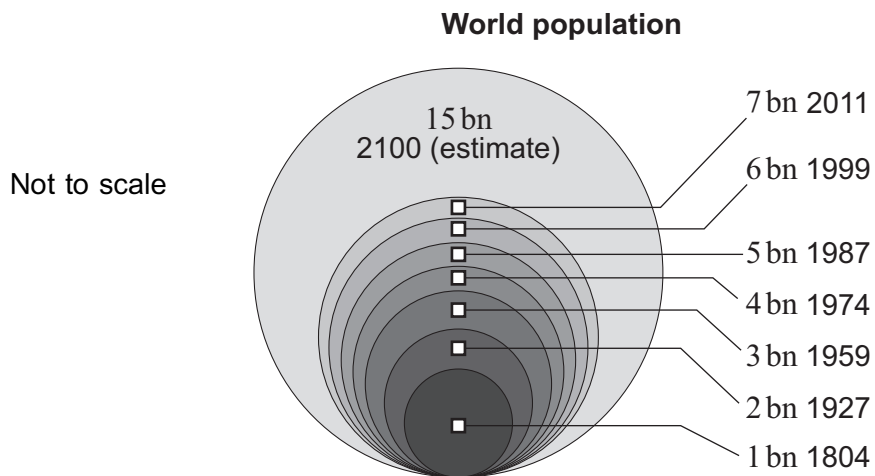
In 2011, a national newspaper listed the top 60 companies in terms of good environmental practices. The table below shows the number of years that these 60 companies had been trading up to 2011.

Years trading (y)	Number of companies
$0 < y \leq 10$	16
$10 < y \leq 30$	25
$30 < y \leq 50$	9
$50 < y \leq 80$	6
$80 < y \leq 110$	1
$110 < y \leq 160$	3
Total	60

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World population

A newspaper used this diagram to show world population growth since 1804.



Applications for teacher training

The television series 'Educating Essex' showed the reality of working with teenagers.

Following a change in the number of applications from 2011 to 2012, the head teacher and deputy head teacher from the series were asked to become 'teaching ambassadors' and to help to recruit the best graduates to the profession.

The table below shows the number of applications for each type of teacher training in 2011 and 2012.

Type of training	Number of applications	
	2011	2012
Secondary	22 585	19 019
Middle	260	134
Primary	25 337	21 862

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Council Tax bands

Council Tax helps to pay for local services such as rubbish collection, street lighting, highway maintenance, policing and emergency services.

The Council Tax charge for each property depends on the rateable value of the property. Homes in England are put into a valuation band based on their value on 1 April 1991, not what the property is worth today.

The table below shows the number of properties in each valuation band in Tamworth, West Midlands.

Valuation band	Rateable value of property, v (£ thousands)	Number of properties
A	$0 < v \leq 40$	9 340
B	$40 < v \leq 52$	11 650
C	$52 < v \leq 68$	5 320
D	$68 < v \leq 88$	3 470
E	$88 < v \leq 120$	1 680
F	$120 < v \leq 160$	400
G	$160 < v \leq 320$	60
H	$320 < v$	0

END OF DATA SHEET

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