

Free-Standing Mathematics Qualification
June 2008
Intermediate Level



HANDLING AND INTERPRETING DATA
Unit 6

6986/2PM

PRELIMINARY MATERIAL

DATA SHEET

**To be issued to candidates between Wednesday 30 April
2008 and Wednesday 7 May 2008**

REMINDER TO CANDIDATES

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

Sales of singles

The sales of singles have declined in recent years owing to competition from albums and downloads from the internet.

The table below shows the typical number of singles sold per week to achieve some of the positions in the top 50 charts for the years 1996 and 2005.

Position in chart	Typical number of sales in 1996	Typical number of sales in 2005
1	145 050	82 419
5	43 825	17 839
10	29 125	10 553
40	7 525	2 276

Staff in the NHS

The table below gives the number of staff working in the National Health Service for each of the two years 1997 and 2005.

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Passengers on a plane

The numbers of passengers arriving on 110 planes at a regional airport were recorded as shown.

Number of passengers	Number of planes
0–40	0
41–60	4
61–80	9
81–100	21
101–120	48
121–140	24
141–200	4
200+	0

Ambulance turnaround times

A newspaper published the turnaround times for ambulances in the West Midlands in March 2006. The turnaround time is the recorded length of time between the ambulance arriving at a hospital and the ambulance leaving the hospital.

At the Heartlands hospital, the turnaround times recorded for 3000 ambulance journeys were as shown in the table below.

Turnaround time (in minutes)	Number of ambulances
$0 < t \leq 15$	298
$15 < t \leq 20$	273
$20 < t \leq 25$	428
$25 < t \leq 30$	544
$30 < t \leq 35$	463
$35 < t \leq 40$	346
$40 < t \leq 50$	365
$50 < t \leq 60$	148
$60 < t \leq 90$	113
$90 < t \leq 120$	22
120+	0

Turn over ►

Aircraft sales

Boeing and Airbus are the two manufacturers of jet aircraft that have 120 or more seats.

The pie chart shows the numbers of aircraft ordered in 2002.

The total number of aircraft ordered in 2002 was 551.

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END OF DATA SHEET

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Staff in the NHS: OFFICE OF HEALTH ECONOMICS

Ambulance turnaround times: EXPRESS & STAR, WOLVERHAMPTON

Aircraft sales: From BBC News at bbc.co.uk/news

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