



Free-Standing Mathematics Qualification
Advanced Level
June 2012

Using and Applying Decision Mathematics

6994/2PM

Unit 14

Preliminary Material

Data Sheet

To be opened and issued to candidates between
Thursday 3 May 2012 and Thursday 10 May 2012

REMINDER TO CANDIDATES

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

School pop concert

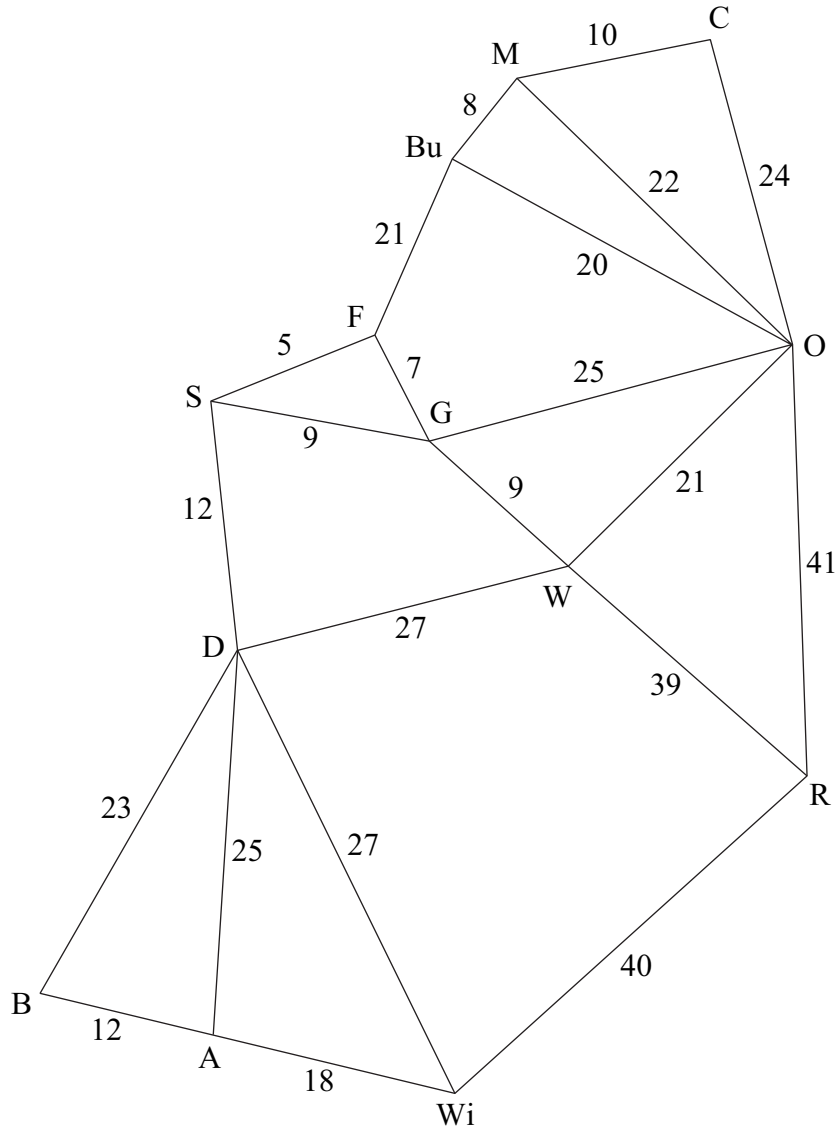
In order to put on a pop concert, the following activities need to be considered.

- Allocate jobs to staff
- Appoint committee to organise event
- Appoint compère
- Arrange for lighting
- Arrange for sound engineer
- Arrange order of bands
- Arrange practice sessions
- Ask headteacher for permission
- Ask teachers to volunteer
- Book bands
- Concert
- Decide on date
- Decide on running order
- Decide on time allocation for each band
- Produce posters
- Produce tickets
- Sell tickets

Golf courses

There are a number of golf courses near Manchester.

The diagram shows the locations of some of these golf courses. The number on each edge shows the distance, in miles, between a pair of golf courses.



M – North Manchester

C – Royton and Crompton

Bu – Bury

O – Over Peover

F – Flixton

S – Swinton

G – Swan Green

W – Woodford

D – Dunham Town

B – Bowdon

A – Altrincham

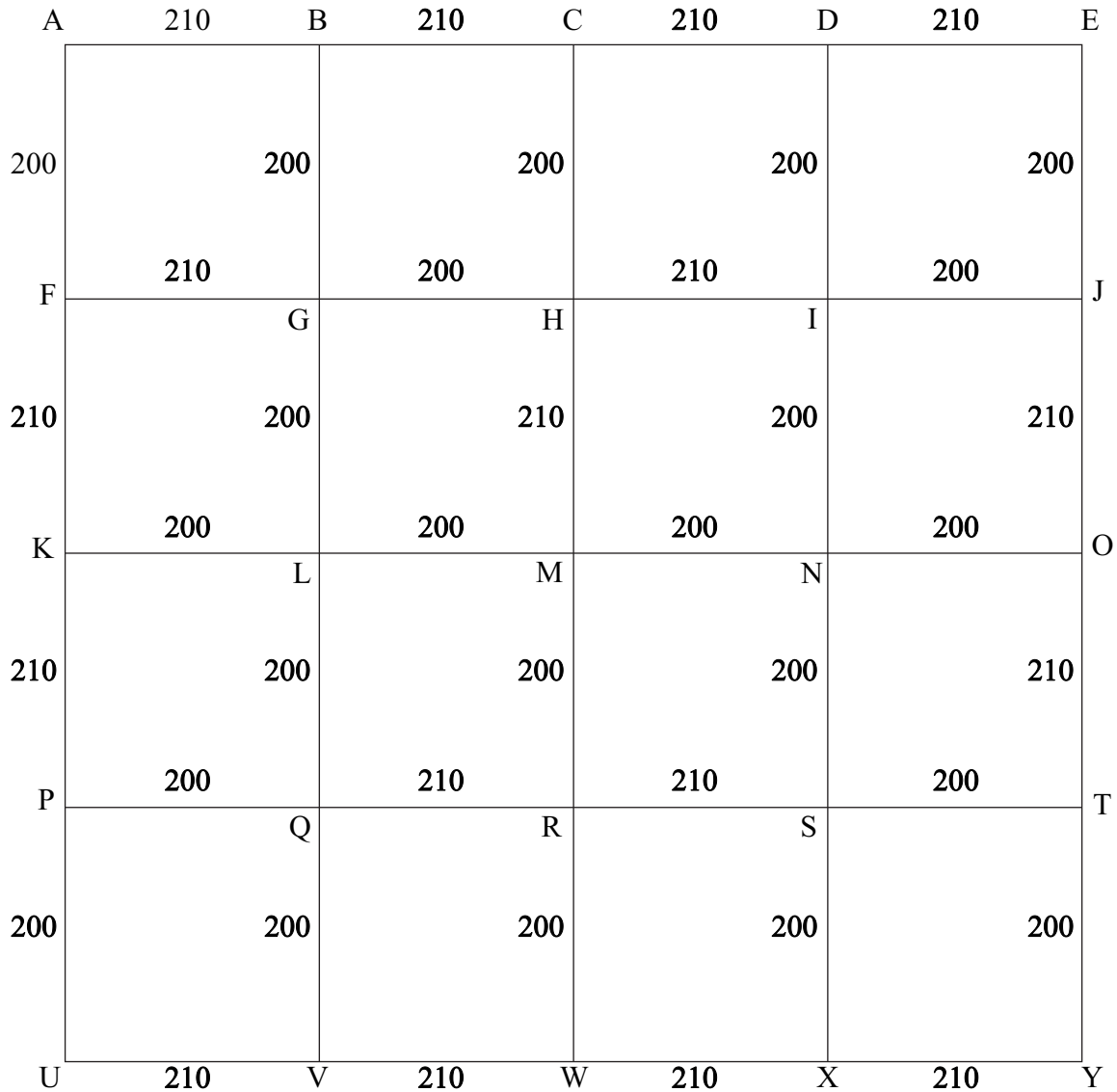
R – Reddish

Wi – Wilmslow

Turn over ►

Housing estate

The diagram shows a network of roads on a housing estate and the location of some houses on the estate. The houses are situated at vertices labelled A, B, C, ... Y. The number on each edge represents the distance, in metres, between a pair of houses.



END OF DATA SHEET