



Free-Standing Mathematics Qualification
Advanced Level
June 2014

Using and Applying Decision Mathematics

6994/2PM

Unit 14

Preliminary Material

Data Sheet

To be opened and issued to candidates between
Tuesday 29 April 2014 and Tuesday 6 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.

Cooking outdoors

An activity centre has cooking facilities for large groups of students to enable them to prepare meals outdoors.

The cooking facilities consist of a wood-burning oven, a wood-burning barbecue (BBQ), a wood-burning rotisserie and some gas stoves.

A meal is to be prepared. Some of the following activities may be required.

- Boil water
- Collect wood from wood store
- Cook pasta sauce
- Cook vegetables in oven
- Grill sausages on BBQ
- Light BBQ
- Light oven
- Light rotisserie
- Mix pasta and sauce
- Prepare chickens for rotisserie
- Prepare food for BBQ
- Prepare pasta sauce
- Prepare vegetables
- Put chickens on the rotisserie and cook
- Put pasta into boiling water and cook
- Serve
- Set table
- Wait for BBQ to be at correct temperature
- Wait for oven to be at correct temperature
- Wait for rotisserie to be at correct temperature

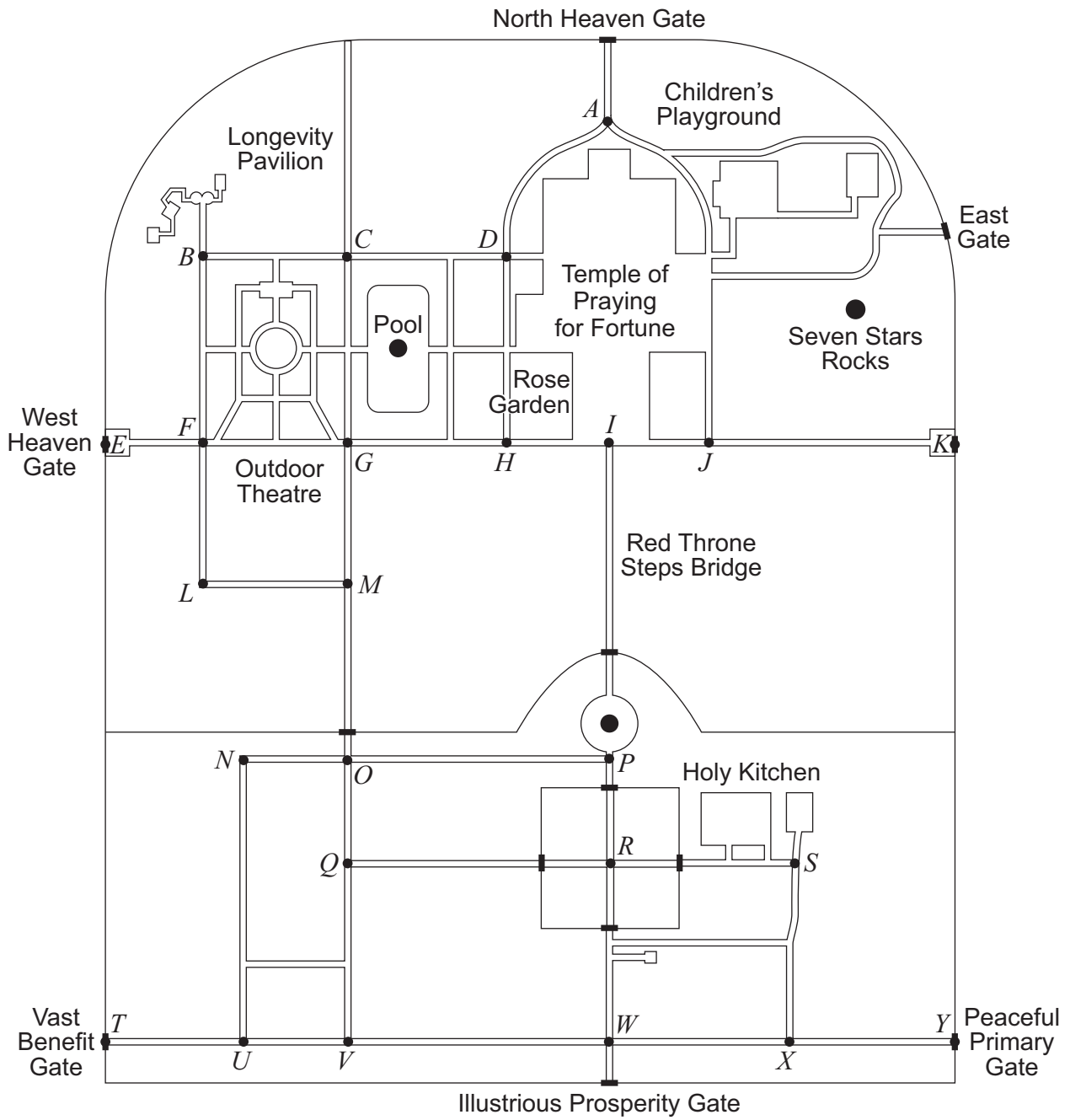
There are no data printed on this page

Turn over

Turn over ►

Temple of Heaven, Beijing

The Temple of Heaven is situated in a large park in Beijing.



Not to scale

The table shows the distances, in tens of metres, between pairs of places.

	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>	<i>G</i>	<i>H</i>	<i>I</i>	<i>J</i>	<i>K</i>	<i>L</i>	<i>M</i>	<i>N</i>	<i>O</i>	<i>P</i>	<i>Q</i>	<i>R</i>	<i>S</i>	<i>T</i>	<i>U</i>	<i>V</i>	<i>W</i>	<i>X</i>	<i>Y</i>
<i>A</i>	–	–	–	13	–	–	–	–	–	33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>B</i>	–	–	30	–	–	20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>C</i>	–	30	–	32	–	–	20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>D</i>	13	–	32	–	–	–	–	20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>E</i>	–	–	–	–	–	10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>F</i>	–	20	–	–	10	–	30	–	–	–	–	28	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>G</i>	–	–	20	–	–	30	–	32	–	–	–	–	28	–	–	–	–	–	–	–	–	–	–	–	–
<i>H</i>	–	–	–	20	–	–	32	–	15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>I</i>	–	–	–	–	–	–	–	15	–	15	–	–	–	–	–	70	–	–	–	–	–	–	–	–	–
<i>J</i>	33	–	–	–	–	–	–	–	15	–	25	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>K</i>	–	–	–	–	–	–	–	–	–	25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>L</i>	–	–	–	–	–	28	–	–	–	–	–	–	30	–	–	–	–	–	–	–	–	–	–	–	–
<i>M</i>	–	–	–	–	–	–	28	–	–	–	–	30	–	–	40	–	–	–	–	–	–	–	–	–	–
<i>N</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	20	–	–	–	–	–	45	–	–	–	–
<i>O</i>	–	–	–	–	–	–	–	–	–	–	–	–	40	20	–	47	15	–	–	–	–	–	–	–	–
<i>P</i>	–	–	–	–	–	–	–	–	70	–	–	–	–	–	47	–	–	15	–	–	–	–	–	–	–
<i>Q</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	15	–	–	47	–	–	–	30	–	–	–
<i>R</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	15	47	–	25	–	–	–	30	–	–
<i>S</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	25	–	–	–	–	–	30	–
<i>T</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	20	–	–	–	–
<i>U</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	45	–	–	–	–	–	20	–	20	–	–	–
<i>V</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	30	–	–	–	20	–	47	–	–
<i>W</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	30	–	–	–	47	–	25	–
<i>X</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	30	–	–	–	25	–	15
<i>Y</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	15	–

Turn over

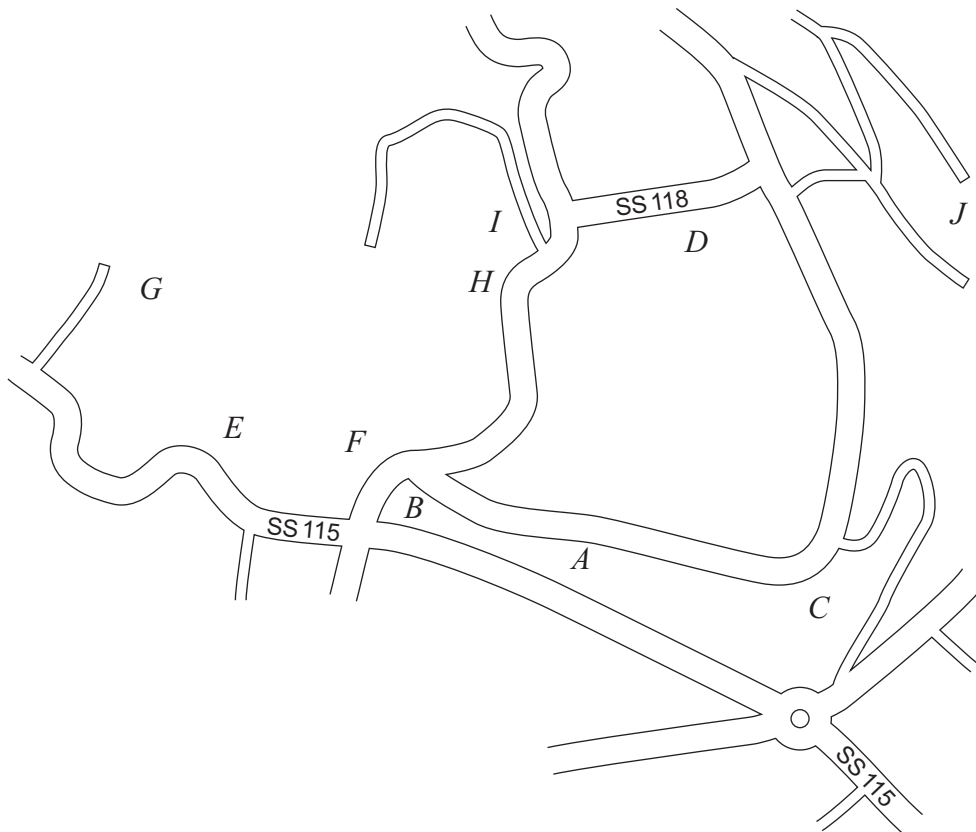
Turn over ►

Valley of the Temples, Agrigento

There are a number of historic places near Agrigento, Sicily.



Valley of the Temples – Agrigento



<i>A</i>	Temple of Concord	<i>F</i>	Temple of Zeus
<i>B</i>	Temple of Hercules	<i>G</i>	Temple of Hephaestus
<i>C</i>	Temple of Hera	<i>H</i>	St Nicholas Church
<i>D</i>	Greek City	<i>I</i>	Archaeology Museum
<i>E</i>	Temple of Castor and Pollux	<i>J</i>	Temple of Demeter

END OF DATA SHEET

There are no data printed on this page

There are no data printed on this page

ACKNOWLEDGEMENT OF COPYRIGHT-HOLDERS AND PUBLISHERS

Temple of Heaven, Beijing: Image adapted from China Highlights' Temple of Heaven Park map
<http://www.chinahighlights.com/beijing/map/temple-of-heaven-map.htm>

Valley of the Temples, Agrigento: © Getty Images
© Thinkstock Images
Copyright 2004 Best of Sicily. Used by permission

Copyright © 2014 AQA and its licensors. All rights reserved.