

Shape and Space

4985/PM

Unit 5

Preliminary Material

Data Sheet

To be opened and issued to candidates between Friday 24 April 2015 and Friday 8 May 2015

REMINDER TO CANDIDATES

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

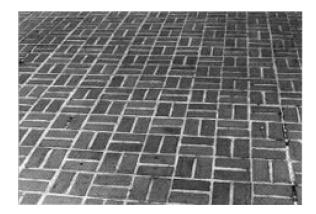
INFORMATION

The Preliminary Material is to be seen by teachers and candidates **only**, for use during preparation for the examination on Friday 15 May 2015. It **cannot** be used by anyone else for any other purpose, other than as stated in the instructions issued, until after the examination date has passed. It must **not** be provided to third parties.

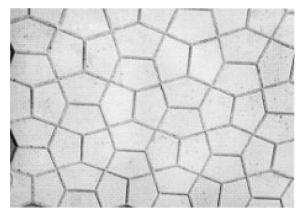
P88597/Jun15/E3 4985/PM

Paving tiles

Patterns of tiles show different kinds of symmetry.



Paving pattern in Annapolis, Maryland, USA



Street pavement in Japan



Pavement in Jaen, Spain

Recording studio

A large recording studio may have several rooms. For example, there may be a control room and a recording room.

Some of these rooms may need furniture and soundproofing.



Cutting fabric

A person cutting fabric to make an item of clothing can use a template to help them cut accurately.



Racing cars

Racing cars need special tyres because they have to turn, accelerate and brake at high speeds.

A car's average speed in miles per hour is the number of miles the car travels in one hour.

It can also be calculated from the formula

Average speed in miles per hour $=\frac{\text{distance in miles}}{\text{time in hours}}$



END OF DATA SHEET

Acknowledgement of copyright-holders and publishers

Paving tiles: I. Hargittai, M. Hargittai, Symmetry: A Unifying Concept, Shelter Publications, Bolinas, CA, 1994, pp. 174 and 176

Recording studio: © Getty Images
Cutting fabric: © Getty Images
Racing cars: © Getty Images

Copyright © 2015 AQA and its licensors. All rights reserved.