

## Teacher's Notes

This pack is intended to cover all of the topics required by candidates in the GCSE Higher Tier examination. The pack can be used in a variety of ways:

- **As a homework pack** – The pack provides 90 homeworks for Years 10 and 11. The homework sheets can be attempted in any order to fit in with the school's scheme of work. If two homeworks are completed each week this will allow the pack to be completed before the mock GCSE examinations. The pack can then be used again for revision in Year 11 either for homework or in class.
- **As a classroom resource** – The pack can be used:
  - To provide class tests at the end of the topic.
  - For class revision in Year 11.
  - As a battery of tests in preparation for the mock examination or GCSE examination. The tests will highlight any weaknesses.
  - As a worksheet resource bank.
- **As supplementary material** – The pack can be used by students after school or in lessons. Worksheets can be supplied to students who wish to do extra work.
- **As a pupil profiling pack** – The pack contains a series of recording sheets which can be used to provide a profile of each student. This can be extremely useful at Key Stages 3 and 4. At Key Stage 3 teachers are expected to be able to identify the students' weaknesses and strengths. *Profile Sheet 1* (page 114) simplifies the process and worksheets provide evidence.

At Key Stage 4 it is even more important to identify students' weaknesses so that a student can be directed to revise the correct material for the GCSE examination.

The worksheets correspond to the *GCSE Mathematics Revision Guides\**. If a student has difficulties with, say, Worksheet 27, they can be directed to revise page 27 of the *Higher Tier Revision Guide*.

*Profile Sheet 1* – Individual assessment (page 114).

This can be used to record the marks of each student on each homework sheet. Marks for each topic can be totalled, eg graphs, total the marks for worksheets 24 to 35 and use the mark/grade converter on the profile sheet to produce a grade, ie 60 or above = A, 49 or above = B, etc. An A or B grade would indicate a strength, a D or E would indicate a weakness. This will produce a complete profile of each pupil.

*Profile Sheets 2 to 6* – Class assessment (pages 115 to 119)

A simpler alternative is to use the profile sheets for class assessment. These can be used in the same way as a normal mark book. A vertical column of poor marks would alert the teacher to a difficult topic for the whole class. A horizontal line of poor marks would alert the teacher to a particular student's difficulties.

*Profile Sheet 7* – Class assessment (page 120)

A blank class assessment profile sheet has been provided for teachers who wish their students to attempt the worksheets in a different order to the one given in this pack. Simply fill in the topic, worksheet numbers and possible marks for the areas you want to cover.

Strengths and weaknesses for a particular student can easily be identified. This makes it easy to advise a student about areas requiring careful revision.

\* *GCSE Mathematics Higher Tier Revision Guide* can be obtained from Pearson Publishing, Chesterton Mill, French's Road, Cambridge, CB4 3NP, telephone 01223 350555, fax 01223 354484, for less than £2 per copy for class sets.

# Gcse Maths Homework Pack 3 Higher Tier

**Minjie Lin**



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