



Question Paper Brief

National 5 Mathematics

C747 75

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Question Paper Brief — National 5 Mathematics

The Course assessment consists of two question papers which will assess:

- ◆ the development of mathematical operational skills beyond the minimum competence required for the Units
- ◆ the integration of mathematical operational skills developed across the Units
- ◆ the development of mathematical reasoning skills beyond the minimum competence required for the Units
- ◆ the application of skills of numerical calculation, without the aid of a calculator, in order to demonstrate that the candidate has an underlying grasp of mathematical processes

The question papers will sample the 'Further mandatory information on Course Coverage' in the *Course Assessment Specification*. This sample will draw on all of the skills, knowledge and understanding from each of the following areas:

- ◆ algebraic skills
- ◆ geometric skills
- ◆ trigonometric skills
- ◆ numerical skills
- ◆ statistical skills
- ◆ reasoning skills

Command words are the verbs or verbal phrases used in questions and tasks which ask candidates to demonstrate specific skills, knowledge or understanding. For examples of some of the command words used in this assessment, refer to the [Past Papers and Specimen Question Paper](#).

The Course assessment will consist of two question papers:

	Paper 1 (non-calculator)	Paper 2
Time	60 minutes	90 minutes
Marks	40	50
Skills	<p>This question paper will give candidates an opportunity to apply numerical, algebraic, geometric, trigonometric, statistical and reasoning skills, without the aid of a calculator, specified in the table provided in the 'Further mandatory information on Course coverage' section at the end of the <i>Course Assessment Specification</i>.</p> <p>These skills are those in which the candidate is required to show an understanding of underlying processes. They will involve the ability to use numerical skills within mathematical contexts in cases where a calculator may compromise the assessment of this understanding.</p>	<p>This question paper will give learners an opportunity to apply numerical, algebraic, geometric, trigonometric, statistical and reasoning skills specified in the table provided in the 'Further mandatory information on Course coverage' section at the end of the <i>Course Assessment Specification</i>.</p> <p>These skills are those which may be facilitated by the use of a calculator, allowing more opportunity for application.</p>
Percentage of marks across the papers	<p>Approximately 30–45% of the overall marks relate to algebra. Approximately 15–35% of the overall marks relate to geometry. Approximately 10–25% of the overall marks relate to trigonometry. Approximately 10–25% of the overall marks relate to numerical skills. Approximately 5–15% of the overall marks relate to statistics.</p>	
Type of question	Short answer and extended response	Short answer and extended response
Type of question paper	Structured question papers: both papers are question-and-answer papers which have spaces for answers.	
Proportion of level 'C' questions	Many questions will use a stepped approach to ensure that there are opportunities for candidates to demonstrate their abilities beyond level 'C'. Approximately 65% of the marks will be available for level 'C' responses.	
Balance of skills	Operational and reasoning skills will be assessed in both question papers. Some questions will assess only operational skills (approximately 65% of the marks), but other questions will require operational and reasoning skills (approximately 35% of the marks).	