

11+ MATHEMATICS (CEM GRAMMAR SCHOOLS) PAPER B



- **COMPLETE PRACTICE TEST**
- **COMPLETE MARK SCHEME**
- **SPECIFIC TO CEM GRAMMAR SCHOOLS**
- **CREATED BY ASSESSMENT EXPERTS**

11+ MATHEMATICS PACK 1

CEM GRAMMAR SCHOOL

PRACTICE PAPER B



Read the following instructions carefully:

1. You have 60 minutes to complete this test of 25 questions.
2. Work as quickly and carefully as you can.
3. You can use all the available space around the question to do your working, however only write the answer in the answer boxes.
4. If you cannot answer a question, go on to the next question. You are not expected to be able to answer all of them.
5. When you have completed this paper go back to any questions you have missed out and check your answers.
6. Calculators and protractors are not permitted in this test.
7. The number in brackets is the number of marks for each question.
8. There are two sections in this test. Section A consists of 15 Short Mathematics multiple-choice questions and Section B consists of 10 additional multi-part Long Mathematics questions.

Good luck!

Section	Short Maths	Long Maths
Marks		
Totals	30	20

Section 1: Short Mathematics

Q1)

The temperature on Saturday was 9 Degrees Celsius. On Sunday it will fall by 15 Degrees Celsius.

What is the temperature on Sunday? (2 Marks)

A	B	C	D	E
-6°	15°	-5°	9°	-7°

Q2)

Calculate $\frac{4}{5}$ of 120? (2 Marks)

A	B	C	D	E
64	15	24	96	72

Q3)

1500ml of a 2.0l bottle of champagne is soda. What fraction of the bottle is soda? (2 Marks)

A	B	C	D	E
$\frac{1}{3}$	$\frac{3}{4}$	$\frac{2}{7}$	$\frac{4}{5}$	$\frac{1}{2}$

Q4)

Jason can walk at 10 km per hour and run at 16 km per hour.

How far would he be able to travel in miles if he walked for 30 minutes and ran for 45 minutes?

(2 Marks)

A	B	C	D	E
36	24	5	12	17