

Examination Scope: MATHEMATICS

Year: 9

TERM 1 EXAM

Preparation:

Topics in the assessment are listed below. It is essential that your son/daughter builds on their successes so far this year by focusing on these topics and filling in any gaps that they may have in their knowledge. These exams will not only contain material that has been studied this year but will also involve areas of mathematics that the students will have seen in year 7 and 8. We are assessing in this way so that we are able to get a full picture of the Mathematical knowledge of every student in Year 9.

In the time between now and the exam please ensure that your son/daughter prepares in a ***quiet place away from any distractions.***

Revision:

-) **Do a question from a different topic every day in the run up to the exam.**
-) Use the questions that they know are right from their classwork, homework and classroom assessments. That way they can check that their answer and method are correct.
-) Work with another student and check each other's understanding. Test each other's knowledge of key facts and formulae.
-) Look on MyiMaths or other websites such as BBC Bitesize or Mathsisfun to help them check their understanding.
-) *Ask their teacher if they are unsure of anything.*

Exam Materials:

Writing equipment (A pen that writes in black or blue ink, pencil, eraser and sharpener).

Scientific calculator (Algebraic or graphical calculators are not permitted).

Geometry set comprising of a pair of compasses, ruler and protractor.

Topics to Revise:

Questions require 1 or 2 mark short answers on the following topics:

All operations involving integers and decimals

Reading scales

Probability

Percentages / percentage of an amount / percentage increase-decrease

Sequences

Angles in polygons and triangles

Units of measurement

Reading statistical graphs

Transformations

Solving linear equations and substitution

Area / perimeter

Correlation

Converting fractions to decimals

Ratio

Indices

Mean, median and mode

Real life graphs

Co-ordinates and straight line graphs

Volume

Area and circumference of circles

Exam Advice:

- ✓ When stuck on a question move on to the next one and come back to it.
- ✓ Try to write something for every question. No answer means no marks awarded.
- ✓ Check answers for any careless mistakes. For example, check your 4's don't look like 9's.
- ✓ Cross out mistakes and write the solution again neatly. Only cross out working if there is something to replace it.
- ✓ Only round an answer if the question says to do so.
- ✓ **SHOW ALL WORKING OUT.** Students who show their working out receive at least 10% higher marks than those who do not.