Western Mathematics

Year 10 Mathematics Exams with the Assessment Bank

Purchasers of the 2015 Update to the Mathematics Assessment Bank receive Year 10 Exams for their Half Yearly and Yearly Assessment. The Yearly Exam will include all the core topics from the course. Schools do the topics in the different orders, so the exams are in a table format so that they can easily be edited to delete questions and/or to add other questions inserted from the Assessment Bank. To assist in your preparation, we have outlined below, the topics which will be included in the Half Yearly Exams and additional Topics included in the Yearly Exams.

The two Exams for 2015 are included on the flash drive along with the Assessment Bank.

The 2016 Half Yearly Exam will be emailed to all 2015 purchasers, early in Term 2 of 2016.

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| **Year 10 Maths Course** | |
| **Year 9 Topics Included in Year 10 HY.** | **Year 10 Topics in Year 10 HY** |
| Rational numbers | Ratio and Rates |
| Earning & Spending | Surface Area and Volume of Prisms and Cylinders |
| Basic Geometry | Right Triangle Trigonometry |
| Basic Measurement | Compound Interest and Depreciation |
| Area | Data: Measures of Central Tendency and Spread inc Grouped Data. |
| Pythagoras’ Theorem |  |
| Basic Algebraic Techniques | **Additional Year 10 Topics in Yearly Exam** |
| Coordinate Geometry | Volume of Pyramids Cones and Spheres. |
| Indices | Congruence |
| Equations and Inequalities | Basic Probability |
| Collecting and Representing Data | Coordinate Geometry |
|  | Non Linear Graphs inc Distance Time Graphs. |
|  | Similarity |

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| **Year 10 Advanced Maths Course** | |
| **Year 9 Topics Included in Year 10 HY.** | **Year 10 Topics in Year 10 HY** |
| Rational numbers | Surds |
| Earning & Spending | Surface Area and Volume of Prisms, Cylinders, Pyramids, Cones and Spheres. |
| Basic Geometry | Quadratic Equations |
| Basic Measurement | Non Linear Graphs |
| Area | Compound Interest and Depreciation |
| Pythagoras’ Theorem | Data: Measures of Central Tendency and Spread inc Grouped Data. |
| Basic Algebraic Techniques |  |
| Coordinate Geometry |  |
| Indices | **Additional Year 10 Topics in Yearly Exam** |
| Equations and Inequalities | Non Right Angled Triangle Trigonometry |
| Collecting and Representing Data | Congruence and Deductive Geometry |
| Binomial Products and Factors | Further Probability – Counting Techniques |
| Basic Probability | Coordinate Geometry |
| Right Triangle Trigonometry | Similarity |
| Simultaneous Equations |  |
| Graphs of Physical Phenomena |  |