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| Transition: Year 9 Unit 1 1.0 Pre-test 1.1 The number system 1.2 Rounding, approximating and estimating 1.3 Number properties including triangular, square, cube etc. and reasoning, examples and counter examples 1.4 Post-test Unit 2 2.0 Pre-test 2.1 Fractions and fraction arithmetic 2.2 Percentages and working with percentages 2.3 Post-test Unit 3 3.0 Pre-test 3.1 Algebraic notation and rules for indices 3.2 Manipulating expressions 3.3 Formulae and substitution 3.4 Solving linear equations and inequalities 3.5 Changing the subject of a formula 3.6 Post-test Unit 4 4.0 Pre-test 4.1 Collecting data 4.2 Statistical measure 4.3 Presenting data 1 4.4 Probability and outcomes 4.5 Post-test Unit 5 5.0 Pre-test 5.1 Nets, isometric drawing and views of 2D shapes 5.2 Angle properties of lines and triangles 5.3 Perimeter, area and volume 5.4 The circle 5.5 Post-test | KS4: Year 10 and 11 Unit 6 6.0 Pre-test 6.1 Sequences (linear only) 6.2 Coordinates and graphs 6.3 Quadratic graphs 6.4 Speed and graphs for real situations 6.5 Post-test Unit 7 7.0 Pre-test 7.1 Measures 7.2 Ratio 7.3 Proportions and proportional problems 7.4 Scatter diagrams and correlation and pie charts 7.5 Trial and Improvement and Iteration (H) 7.6 Post-test Unit 8 8.0 Pre-test 8.1 Transformations 8.2 Surds (H) 8.3 Pythagoras' theorem and 2D and 3D problems 8.4 Compass directions and bearings (F only) 8.5 Cumulative frequency (H) 8.6 Post-test Unit 9 9.0 Pre-test 9.1 Quadratic sequences 9.2 Manipulating and solving quadratic equations 9.3 Algebraic proof and algebraic fractions 9.4 Post-test Unit 10 10.0 Pre-test 10.1 Angles in polygons and parallel lines 10.2 Constructing triangles and other 2D shapes 10.3 Constructions and Loci 10.4 Post-test | KS4: Year 10 and 11 Unit 11 11.0 Pre-test 11.1 Standard index form 11.2 Similarity and enlargement 11.3 Trigonometry and problems using right-angles triangles (2D and 3D) 11.4 Post-test Unit 12 12.0 Pre-test 12.1 Volume of spheres, cones, pyramids and compound 3D shapes 12.2 Solving simultaneous equations 12.3 Probability tree diagrams 12.4 Vector notation and vector geometry 12.5 Post- test Unit 13 (H) 13.0 Pre-test 13.1 More rules of indices 13.2 Surds and manipulating expressions containing surds 13.3 Histograms and frequency density 13.4 Circle theorems 13.5 Post-test Unit 14 (H) 14.0 Pre-test 14.1 Compass directions and bearings 14.2 Trigonometry for non-right-angled triangles 14.3 Graphs for non-linear functions 14.4 Transformations of functions and their graphs 14.5 Post-test OCR Additional Mathematics |
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