S2 Level 4 – Pupil Information Sheet for Block 2

FRACTIONS, DECIMALS AND PERCENTAGES — MNU 4-07a

Find a percentage of a quantity without a calculator
Find a percentage of a quantity with a calculator
Convert between decimals, fractions and percentages

TJ 4+ Pages 15-18 **Corbettmaths.com Videos 122-128, 137, 234, 235**
L&L Level 4 Pages 54 - 61

POWERS, ROOTS & SCIENTIFIC NOTATION — MTH 4-06a,b

Squares, cubes and powers
Square roots, cube roots and further roots
Changing large numbers into Scientific notation and back into numbers
Changing small numbers into Scientific notation and back into numbers
Calculations with Scientific notation

TJ 4+ Pages 64 - 72 **Corbettmaths.com Videos 172, 214, 228, 300-303**
L&L Level 4 Pages 39 - 49

ALGEBRA 1 — MTH 4-14a,b

Simplifying expressions by multiplying terms
Simplifying expressions by removing brackets and collecting terms
Factorising algebraic expressions by removing a common factor

TJ 4+ Pages 31 - 34 **Corbettmaths.com Videos 11,13,16-20,117**
L&L Level 4 Pages 185 - 198

CIRCLES — MNU 3-11a MTH 3-11b

Calculating the circumference of a circle
Calculating the diameter of a circle if given the circumference
Calculating the area of a circle
Calculating the radius of a circle if given the area
Solving problems with area and perimeter of circles
Calculating the circumference of a circle
Calculating the diameter of a circle if given the circumference

TJ 4+ Pages 73 - 80 **Corbettmaths.com Videos 40, 47, 60, 61, 243**
L&L Level 4 Pages 229 - 235

INFORMATION HANDLING **MTH 4-21a**

Interpreting comparative bar charts and line graphs
Interpreting and constructing pie charts
Drawing scattergraphs and finding line of best fit
TJ 4+ Pages 195-199 **Corbettmaths.com Videos 163 and 164**
L&L Level 4 Pages 301 – 305, 327 - 329

REVISION FOR S2 LEVEL 4 BLOCK 2 TEST

Topic	**Questions from TJ Book 4+**	
Fractions, decimals and percentages	Page 15 Q1, 6 Page 18 Q1, 2, 5, 8, 10	Page 16 Q1, 7, 8
Powers, roots and scientific notation	Page 66 Q2 Page 68 Q1,3	Page 67 Q5 Page 71 Q5, 6, 7, 12, 13
Algebra 1	Page 31 Q1, 2 Page 33 Q5	Page 32 Q1, 2, 3 Page 34 Ex 5.3 Q2,3
Circles	Page 73 Q2,4 Page 77 Q3, 4, 7	Page 74 Q7, 8, 11, 12 Page 80 Q1, 2, 4, 7, 9, 10
Information handling	Page 195 Q1,2,4 Page 197 Q1	Page 196 Q2, 5 Page 199 Q2, 3