

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

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+ | |
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| 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 |