

Year 7 Intermediate Maths Exam Topics

NUMBER

- Long multiplication and division (200, 98)
- Factors and multiples (216, 220)
- Prime numbers (225)
- HCF and LCM (218, 219)
- Simplifying fractions (146)
- Understanding negative numbers (208, 209)
- Percentages of amounts (234, 235)
- Percentage increase and decrease (238)
- Ordering numbers including decimals and negatives (95)
- Adding and subtracting decimals (90, 91)
- Adding and subtracting fractions (133)
- Simple ratio (269)
- Sharing in ratios (270)
- Finding fractions of amounts (137)
- Converting between fractions, decimals and percentages (121-128)

SHAPE, SPACE AND MEASURE

- Measuring angles (31)
- Converting between units of measure (cms to metres/kgs to grams etc.)
- Angles on a straight line, in a triangle, in a quadrilateral (33, 35, 37)
- Plotting coordinates including negatives (84)
- Midpoint of two coordinates (87)
- 4 transformations (translation, rotation, reflection, enlargement) (272, 275, 325)
- Area and perimeter of rectangles (41, 45, 49)
- Congruent shapes (66)
- Line symmetry
- Rotational symmetry

ALGEBRA

- Sequences term-to-term rule (286, 287)
- Finding the nth term of a sequence (288)
- Explaining why terms can't be part of a given sequence
- Simplifying expressions (9)
- Equations of lines parallel to axis (e.g. $y = 5$) (196)
- Drawing straight line graphs using table of values (187)
- Writing simple formula (16)

HANDLING DATA

- Mode, range, median and mean and solving problems (50, 53)
- Compound bar graphs (148)
- Dual bar charts
- Simple probability (245)
- Experimental probability (248)
- Expected frequency (248)