

iMaths 5 Investigations and Topics

The grid below shows the 12 Investigations and the associated Topics.

Investigation	Page	Topics	
1 Race around Australia	20	MG6 24-hour time MG7 Read and interpret timetables MG8 Australian time zones MG11 Map references	MG13 Compass points MG14 Directions, turns and degrees MG15 Coordinates to locate position MG16 Latitude and longitude
2 Dynamic dominoes	28	NA12 Compare and order fractions NA13 Equivalent fractions NA14 Add and regroup fractions	NA15 Add and subtract fractions NA22 Percentages NA23 Percentages using a calculator
3 Down the drain	36	MG1 Choosing units of measurement MG2 Capacity, volume and mass	MG3 Graduated scales SP6 Line graphs
4 Twinkle, twinkle	44	NA1 Factors and multiples to solve problems NA3 Round to 100 and 1000 NA4 Estimation strategies NA5 Place value beyond millions	NA6 Multiplication 4-digit x 1-digit NA7 Multiplication 3-digit x 2-digit NA17 Expanded notation MG10 Measure angles 0° – 180°
5 iFlakes	54	NA16 Place value to thousandths NA22 Percentages NA23 Percentages using a calculator SP2 Interpreting data	SP3 Dot plots SP4 Discrete data SP5 Column graphs
6 Never a cross word	62	NA1 Factors and multiples to solve problems NA2 Factor trees NA6 Multiplication 4-digit x 1-digit NA7 Multiplication 3-digit x 2-digit NA8 Lattice method of multiplication	NA9 Division 3-digit \div 1-digit NA10 Division with zeros NA11 Division with remainders NA25 Backtracking
7 Finals fever	70	NA18 Decimal addition to tenths NA19 Decimal addition to hundredths NA20 Decimal subtraction to tenths NA21 Decimal subtraction to hundredths	NA24 Financial plans and records MG6 24-hour time MG7 Read and interpret timetables
8 Balancing act	78	NA1 Factors and multiples to solve problems MG1 Choosing units of measurement MG2 Capacity, volume and mass	MG5 Area of rectangles MG9 Nets of 3D objects MG18 Enlargement properties of shapes
9 Fair weather	86	MG3 Graduated scales SP3 Dot plots SP4 Discrete data	SP5 Column graphs SP6 Line graphs
10 Radical renovation	94	NA7 Multiplication 3-digit x 2-digit MG4 Perimeter of rectangles MG5 Area of rectangles	MG12 Using scale MG17 Flip, slide, turn MG18 Enlargement properties of shapes
11 Score a duck	104	NA13 Equivalent fractions NA26 Patterns and general rules MG4 Perimeter of rectangles	SP1 Probability SP2 Interpreting data
12 If I were a Martian	112	NA3 Round to 100 and 1000 NA5 Place value beyond millions	NA6 Multiplication 4-digit x 1-digit NA17 Expanded notation