

Suggested Routes for Year 7A

The suggested routes here are only guidelines and you should use your professional judgement in making decisions about how appropriate particular sections are for your class. The key used means

- ✓ core material
- (✓) material that could at least, in part, be covered
- ✗ inappropriate material

Note though that, particularly on the Express route in the Arithmetic units, much of the core material will be revision and should be quickly recapped.

UNIT	Standard	Academic	Express
1. LOGIC			
1.1 Logic Puzzles	✓	✓	✓
1.2 Two Way Tables	✓	✓	✓
1.3 Sets and Venn Diagrams	(✓)	✓	✓
1.4 Set Notation	✗	✗	(✓)
1.5 Logic Problems and Venn Diagrams	✗	(✓)	✓
2. ARITHMETIC: PLACE VALUE			
2.1 Place Value and Rounding	✓	✓	✓
2.2 Decimals and Place Value	(✓)	✓	✓
3. GRAPHS			
3.1 Scatter Graphs	✓	✓	✓
3.2 Plotting Points	✓	✓	✓
3.3 Negative Numbers	✓	✓	✓
3.4 Coordinates	✓	✓	✓
3.5 Plotting Polygons	✗	(✓)	✓
3.6 Conversion Graphs	(✓)	✓	✓
4. ARITHMETIC: ADDITION AND SUBTRACTION OF DECIMALS			
4.1 Addition and Subtraction	✓	✓	✓
4.2 Dealing with Money	✓	✓	✓
5. ANGLES			
5.1 Angles and Turns	✓	✓	✓
5.2 Measuring Angles	✓	✓	✓
5.3 Classifying Angles	✓	✓	✓
5.4 Angles on a Line and on a Point	(✓)	✓	✓
5.5 Constructing Triangles	✓	✓	✓
5.6 Finding Angles in Triangles	✗	(✓)	✓

6. ARITHMETIC: MULTIPLICATION OF DECIMALS

6.1	Multiplication of Whole Numbers	✓	✓	✓
6.2	Long Multiplication	✓	✓	✓
6.3	Multiplying with Decimals	(✓)	✓	✓
6.4	Problems Involving Multiplication	(✓)	✓	✓

7. NUMBER PATTERNS AND SEQUENCES

7.1	Multiples	✓	✓	✓
7.2	Finding the Next Term	✓	✓	✓
7.3	Generating Number Sequences	(✓)	✓	✓
7.4	Formula for General Terms	×	✓	✓

8. ARITHMETIC: DIVISION OF DECIMALS

8.1	Mental Division of Whole Numbers	✓	✓	✓
8.2	Division Methods for Whole Numbers	(✓)	✓	✓
8.3	Division Problems	(✓)	✓	✓

9. AREAS AND PERIMETERS

9.1	Area	✓	✓	✓
9.2	Area and Perimeter	✓	✓	✓
9.3	The Area and Perimeter of a Rectangle	✓	✓	✓
9.4	Area of Compound Shapes	(✓)	(✓)	✓
9.5	Area of a Triangle	(✓)	✓	✓

10. ARITHMETIC: FRACTIONS

10.1	Fractions	✓	✓	✓
10.2	Equivalent Fractions	✓	✓	✓
10.3	Fractions and Quantities	✓	✓	✓
10.4	Mixed Numbers and Vulgar Fractions	(✓)	✓	✓

11. DATA COLLECTION AND PRESENTATION

11.1	Types of Data	(✓)	✓	✓
11.2	Collecting Data	✓	✓	✓

12. ARITHMETIC: REVISION

12.1	Arithmetic with Whole Numbers and Decimals	(✓)	✓	✓
12.2	Problems with Arithmetic	(✓)	✓	✓
