Place value and ordering (1)

Small Steps

- Recognise the place value of any number in an integer up to one billion
- Understand and write integers up to one billion in words and figures
- Work out intervals on a number line
- Position integers on a number line
- Round integers to the nearest power of ten
- Compare two numbers using $=, \neq, <, >, \leq, \geq$
- Order a list of integers
- Find the range of a set of numbers
- Find the median of a set of numbers
- Understand place value for decimals
- Position decimals on a number line
- Compare and order any number up to one billion
- Round a number to 1 significant figure

Place value and ordering (2)

Small Steps

- Write 10, 100, 1000 etc. as powers of ten (H)
- Write positive integers in the form $A \times 10^n$ (H)
- Investigate negative powers of ten (H)
- Write decimals in the form $A \times 10^n$ (H)

FDP equivalence (1)

Small Steps

- Represent tenths and hundredths as diagrams
- Represent tenths and hundredths on number lines
- Interchange between fractional and decimal number lines
- Convert between fractions and decimals – tenths and hundredths
- Convert between fractions and decimals – fifths and quarters
- **Convert between fractions and decimals – eighths and thousandths** H
- Understand the meaning of percentage using a hundred square
- Convert fluently between simple fractions, decimals and percentages
- Use and interpret pie charts

FDP equivalence (2)

Small Steps

- Represent any fraction as a diagram
- Represent fractions on number lines
- Identify and use simple equivalent fractions
- Understand fractions as division
- Convert fluently being fractions, decimals and percentages
- **Explore fractions above one, decimals and percentages** (H)

(H) denotes higher strand and not necessarily content for Higher Tier GCSE