

Block	Objectives
1 (5 lessons)	Read, write and order negative numbers Use negative numbers in context, and calculate intervals across zero Solve problems involving addition, subtraction, multiplication and division Compare and order fractions, including fractions that are greater than 1
2 (5 lessons)	Add and subtract fractions with the same denominator Convert mixed numbers to improper fractions and vice versa Use equivalence to compare, add or subtract unrelated fractions, writing fractions greater than 1 as a mixed number
3 (5 lessons)	Use mental strategies to divide by 2, 4, 8, 5, 20 and 25 Find non-unit fractions of amounts Use short division to divide 3- and 4-digit numbers by 1-digit numbers, remainders as fractions Use mathematical reasoning to investigate and solve problems and puzzles, justify their reasoning
4 (5 lessons)	Add unit fractions with different denominators Use equivalence to add mixed numbers with different denominators Use equivalence to subtract fractions and mixed numbers with different denominators Identify patterns, devise and test rules and use them to make predictions Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25 Find simple percentages of amounts
5	Roll over week
6 (5 lessons) Assessment week	Recognise, describe, draw and build simple 3D shapes, including making nets Calculate perimeter of rectangles, triangles, parallelograms and other polygons Calculate area of rectangles and parallelograms including use of formulae Investigation "Do shapes with the same areas have the same perimeter?" Calculate volume of cuboids and cubes using cm^3 and m^3 Calculate area of a triangle using the formula $\frac{1}{2} b \times h$
7 (5 lessons) Xmas week	Multiply fractions less than 1 by whole numbers, converting improper fractions to whole numbers Multiply fractions by whole numbers, converting improper fractions to whole numbers Divide proper fractions by whole numbers