Spring Term Curriculum 2024

Year 5 Essential Knowledge

Maths: Fractions

1. **How to recognise and find equivalent fractions:**
   - unit fractions
     - using models
     - using multiplication
     - using division
   - non-unit fractions
     - using models
     - using multiplication
     - using division
2. **How to convert fractions:**
   - improper fractions to mixed number fractions:
   - using manipulatives
   - using models
   - using division facts
   - mixed number fractions to improper fractions:
     - using manipulatives
     - using models
     - using multiplication facts
3. **How to compare and order fractions:**
   - less than one
     - using equivalence
   - more than one
     - using equivalence
4. **How to add fractions:**
   - answer is within one
     - same denominator – add numerators
     - different denominators using equivalence
   - answer is greater than one
     - same denominator – add numerators
     - different denominators using equivalence
   - mixed numbers
     - convert mixed numbers to improper fractions
     - unit/non-unit fraction added to a mixed number
     - two mixed number
5. **How to subtract fractions:**
   - within one

- same denominator – subtract numerators
- different denominators using equivalence
  - mixed numbers
    - convert mixed numbers to improper fractions
    - unit/non-unit fraction subtracted from a mixed number
    - two mixed numbers
    - breaking the whole

6. **How to multiply a fraction by a whole number:**
   - unit fractions
   - non-unit fractions
   - mixed number converted to an improper fraction

7. **How to find fractions of amounts:**
   - unit fractions:
     - using the bar model
     - using division
   - non-unit fractions:
     - using the bar model
     - using division and multiplication