**Mount Pleasant Primary School S-Plan.
Topic: Fractions**

Generate and describe linear number sequences (with fractions)

Understand what a fraction is. Label numerator and denominator.

- Count in fractions from zero to one.
- Count in fractions past 1.
- Count in fractions which don't begin from zero.

Watch out for confusion between factor and multiple.

Have fractions in the wrong order or in the wrong place.

- Place fractions on a numberline

- Find the lowest common multiples of some numbers.
- Find the highest common factor from a list on numbers.

Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.
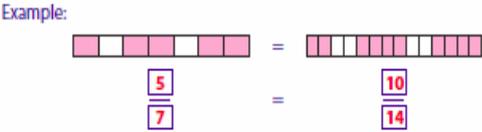
Children need fluency in times tables to effectively tackle fractions.

Ensure children check that fraction is in the lowest form.

- Simplifying a fraction to its lowest form.

- Explore equivalent fractions.

Use fraction walls and Cuisenaire rods.

- Comparing fractions using the denominator. Eg $\frac{1}{3}$ $\frac{1}{5}$ $\frac{1}{8}$

- Compare 2 fractions by using common multiples to find a common denominator.

Example:

$$\frac{5}{7} = \frac{10}{14}$$

Check for children thinking the bigger the denominator then the bigger the fraction.

- Order a set of fractions by finding common denominators.

Compare and order fractions, including fractions ≥ 1

$$\frac{6}{7} \qquad \frac{6}{10}$$
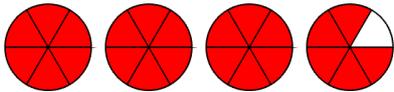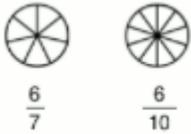
Fraction Form to Mixed Form.
$$\frac{23}{6} = 3\frac{5}{6}$$

- Order a set of fractions and mixed numbers using common denominators.
- Order fractions and mixed numbers with different denominators
- Convert between mixed numbers and improper fractions
- Order mixed numbers and improper fractions.

$$\frac{2}{9} + \frac{4}{9} = \frac{6}{9}$$
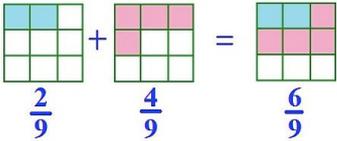
- Add fractions with same denominators, not bridging 1
- Add fractions with same denominators, bridging 1.

Represent concrete and pictorially

Key

Black: NC Objectives

Blue: Key Concepts / Ideas

Red: Difficulty points and teaching ideas.

- Add fractions with different denominators by finding common denominators.

Ensure children write the answer as a mixed number unless stated otherwise.

- Add mixed numbers
- Subtract fractions with same denominators

Add and subtract fractions with different denominations and mixed numbers, using the concept of equivalent fractions.

- Subtract fractions with the same denominators
- Subtract fractions with different denominators
- Subtract mixed numbers.