

WHAT DO WE ALREADY *know?*

- Convert between mixed numbers and improper fractions.
- Find equivalent fractions.
- Add and subtract fractions where one denominator is a multiple of the other.
- Multiply a proper fraction by an integer.
- Use the formal written method of short multiplication.
- Know the effect of multiplying and dividing by $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{5}$, $\frac{2}{5}$ and $\frac{4}{5}$.

Stage 6 – Exploring Fractions, Decimals and Percentages



- Calculate with fractions.
- Calculate with mixed numbers.
- Calculate with decimals.
- Calculate percentages of a quantity.
- Solve percentage-based problems.



- Fraction
- Mixed Number
- Denominator
- Numerator
- Percentage
- Decimal
- Quantity
- Divide
- Multiply
- Add
- Subtract

Proportional reasoning - Targets

	Before Topic	After Topic	Teacher Mark
Add fractions with different denominators.			
Subtract fractions with different denominators.			
Add mixed numbers, including with different denominators.			
Subtract mixed numbers, including with different denominators.			
Multiply a proper fraction by a proper fraction.			
Divide a proper fraction by an integer (whole number).			
Multiply one-digit numbers with up to two decimal places by whole numbers.			
Calculate percentages of quantities.			
Solve problems involving the use of percentages to make comparisons.			