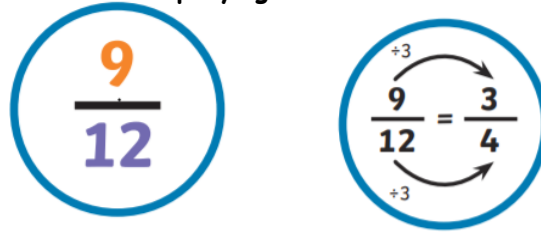


Key vocab
Denominator
Numerator
Whole
Part
Proper fraction
Improper fraction
Whole number
Mixed number
Simplify
Simplest form
Common denominator
Factor
Multiple
Equivalent

### Simplifying fractions



Factors of 9: 1, 3 and 9

Factors of 12: 1, 2, 3, 4, 6 and 12



# Fractions

## Year 6

### Multiplying fractions by fractions

$$\frac{1}{2} \times \frac{1}{3} = \frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$$

### Multiplying fractions by whole numbers

### Use the Common Denominator

### Adding and subtracting proper fractions

Same denominators

Different denominators

$$\frac{2}{7} + \frac{3}{5}$$

Multiples of 7: 7, 14, 21, 28, 35  
 Multiples of 5: 5, 10, 15, 20, 25, 30, 35

$$\frac{2}{7} = \frac{10}{35}, \frac{3}{5} = \frac{21}{35}$$

$$\frac{10}{35} + \frac{21}{35} = \frac{31}{35}$$

Multiplication and division are the inverse of each other so...

÷ 2 is the same as × 1/2

$$\frac{2}{5} \times \frac{1}{2} = \frac{2}{10}$$