## FRACTIONS \& PERCENTAGES AS OPERATORS



## UNDERSTANDING FRACTIONS



## FOUR OPERATIONS WITH FRACTIONS

## Key Concept

Mixed numbers
These are made up of a whole number and a fraction.
$4 \frac{3}{5}$
$=\frac{4 \times 5+3}{5}$
$=\frac{23}{5}$
sparx
M671, M939, M601,
M835, M931, M157,

Key Words
Fraction: A fraction is made up of a numerator (top) and a denominator (bottom).


## Tip

- A larger denominator does not mean a larger fraction.
- To find equivalent
fractions multiply/divide the numerator and denominator by the same
number.


## Examples

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

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

Make the denominators the same $\frac{3}{5}+\frac{2}{7}$
same


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



Just multiply the tops and bottoms

$$
=\frac{3 \times 2}{5 \times 7}=\frac{6}{35}
$$

Flip the second fraction and change
to a times

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

3) 4 2) 5 (3) $\frac{7}{7}$
4) $\frac{7}{9}-\frac{2}{5}$
5) $\frac{3}{7} \times \frac{4}{9}$

$$
\text { 5) } \frac{3}{11} \div \frac{14}{22}
$$

## INTRODUCING PROBABILITY



## FURTHER PROBABILITY



## FACTORS, MULTIPLES AND PRIMES



