## Ratio and Fractions

## Ratio and Proportion - Year 6

## The Ratio Symbol

## 00000

The ratio of footballs to rugby balls 1:4
The ratio of rugby balls to footballs 4:1
The ratio of apples to bananas 1:2
The ratio of bananas to oranges to 2:3
The ratio of apples to bananas to oranges 1:2:3

## Ratio language



For every 1 circle, there are 2 triangles.


For every 2 bananas, there are 3 apples.

For every 1 football, there are 3 rugby balls


The ratio of apples to bananas 1:2

The ratio of apples to bananas to oranges 1:2:3
The ratio of oranges to bananas to apples to 3:2:1

## Scale Factors



Shape A has been enlarged by a scale factor of 2 to make shape $B$.

## Proportion

Ingredients for
Fruit smoothie
(Serves 10 People)
800 g of bananas
500 g of strawberries
200 g of raspberries
700 ml of milk

To use ingredients for 1 person, you divide all of the quantities by $10(\div 10)$.

To use the ingredients for 5 people, you halve all the quantities $(\div 2)$.

To use the ingredients for 20 people, you double all the quantities ( x 2 ).

