## Maths

## Multiplication and Division

## Juice



## Aim

- I can solve scaling problems.


## Success Criteria

- I know that fractions represent parts of a whole.
- I can use fractions to scale quantities up and down.


## Fantastic Fractions!

Work with a partner to calculate the fractions on the cards.


## Proportion

On my bottle of squash, it says dilute one part of concentrate to three parts of water.


## Proportion

If the whole glass contains 600 ml of liquid, how much of it is water and how much is concentrate?


## Calculating Juice Mixes

We can use the proportion of squash we add to work out how much water we will need to make the juice. Can you fill in the gaps?


## Scaling Questions

If we know the proportion of concentrate to water, we can scale the quantities of each up or down to make the correct amount of juice.


## Scaling Answers

If we know the proportion of concentrate to water, we can scale the quantities of each up or down to make the correct amount of juice.


## Juice Activities

## Use your marvellous maths skills to complete these activities:



## Ratios

Another way to write 'one part concentrate to five parts water' would be 1:5.


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