

## Maths

### Fractions, Decimals and Percentages



#### What will students study?

Students will be building on their fractions, decimals and percentages skills.

Topics include:

- ❖ Fractions
- ❖ Percentages
- ❖ Fraction Calculations
- ❖ Fraction, Decimal and Percentage Conversions
- ❖ Multipliers

#### What will homework be?

Homework will be set weekly by the class teacher. The homework is designed to consolidate the knowledge and skills learned in the lesson. Tasks will generally be set from a textbook that will be loaned to a pupil for the duration of the school year and in a designated homework book. Students are expected to revise thoroughly for assessments in addition to homework, using their notes, mathswatch login and knowledge organisers to assist them.

#### How you can help?

To support your child please use the knowledge organisers to develop topic recall. To assist with homework and understanding of topics, all pupils also have a mathswatch login with details, for example joeb15@hackneynewsc.... has

Username: @joeb15

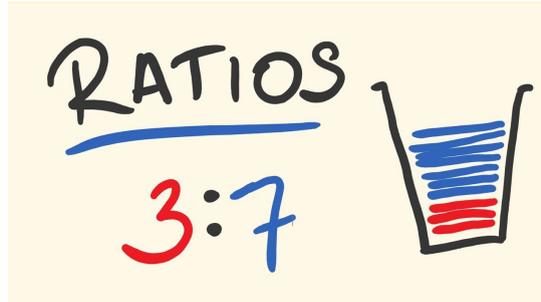
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This can be accessed at <https://vle.mathswatch.co.uk/vle/>

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## Maths

### Ratio and Proportion



### What will students study?

Students will be learning about ratio and proportion and using it to solve problems.

Topics include:

- ❖ Measurements
- ❖ Ratio
- ❖ Proportion
- ❖ Distance, speed, time

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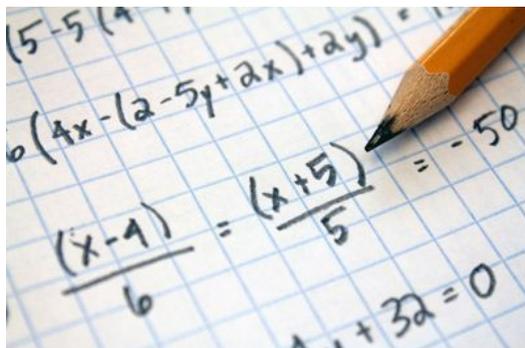
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## Maths

### Algebra



### What will students study?

Students will be developing their algebra skills to solve and manipulate equations.

Topics include:

- ❖ BIDMAS
- ❖ Expand and factorise brackets
- ❖ Equations

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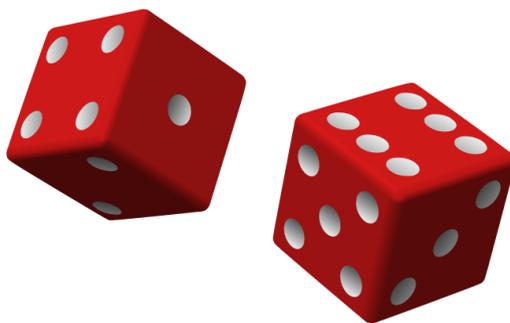
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## Maths

### Probability



### What will students study?

Students will gain an understanding of the probability scale and calculate the probabilities of events.

Topics include:

- ❖ Probability scale
- ❖ Sample space diagrams
- ❖ Tree diagrams
- ❖ Venn diagrams
- ❖ Frequency

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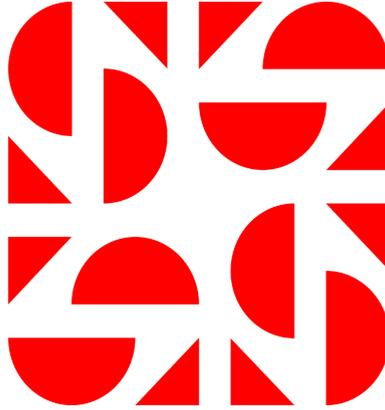
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## Maths

### Shape



### What will students study?

Students will gain an understanding of the probability scale and calculate the probabilities of events.

Topics include:

- ❖ Angles
- ❖ Parallel lines
- ❖ Shape properties
- ❖ Area

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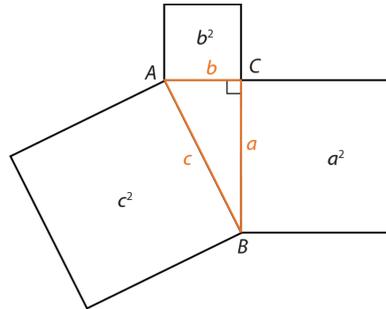
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## Maths

### Further Shape



### What will students study?

Students will gain an understanding of the probability scale and calculate the probabilities of events.

Topics include:

- ❖ Circles
- ❖ Volume
- ❖ Transformations
- ❖ Pythagoras
- ❖ Bearings
- ❖ Constructions
- ❖ Similar Triangles

### What will homework be?

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