

# Year 7 Mathematics Home Learning – How can YOU get involved?

## What are we doing in class?

- Term 1**
- **Calculations with whole numbers and decimals.**
  - **Learning about different types of number – factors, multiples, primes, squares, cubes and roots.**

**Weekly Home Learning Tasks** - Learning Times Tables and formal written methods for addition, subtraction, multiplication and division. Mental arithmetic practice.

## How can you get involved?

- Ask your child to carry out different mental arithmetic calculations in their head. These can be addition, subtraction, multiplication or division problems or a mixture of these.
- Create or buy a times table poster and display in your child's room.
- Encourage your child to practice their times tables using [www.sumdog.com](http://www.sumdog.com) website with their own personal log in.

## What are we doing in class?

- Term 2**
- **Lines, Angles and shapes – drawing, measuring and calculation angles and lines.**
  - **An Introduction to Algebra – writing and simplifying expressions, using and creating formulae.**

**Weekly Home Learning Tasks** – Work sheets to practice topics taught in class. For some classes these will be printable from the VLE, others will have a hardcopy issued.

## How can you get involved?

- Make sure your child has a protractor, compass, pencil and ruler (available from Math's Shop in A6).
- Encourage your child to practise using the equipment above.
- Encourage your child to use the [www.mymaths.co.uk](http://www.mymaths.co.uk) website and the Maths Area on the VLE to reinforce learning.

## What are we doing in class?

- Term 3**
- **Looking at how to collect, process and represent data in different ways.**
  - **Place value, and ordering and rounding decimals and whole numbers.**
  - **Estimating answers.**

**Weekly Home Learning Tasks** – will vary according to class, but all will consolidate learning from the lesson – please see VLE and child's planner for details.

## How can you get involved?

- Talk about different statistics and graphs used in the media with your child. Discuss what they show.
- Practice rounding decimal and whole numbers mentally with your child.
- Ask your child to estimate answers to different calculations.
- Encourage your child to use the [www.mymaths.co.uk](http://www.mymaths.co.uk) website and the Maths Area on the VLE to reinforce learning.

## What are we doing in class?

- Term 4**
- **Using and converting between different units of measurement, weight, volume and capacity.**
  - **Calculating area, perimeter and volume of different shapes**
  - **Recognising and describing numerical and picture sequences. Using patterns and formula to predict other terms in the sequence.**

**Weekly Home Learning Tasks** - will vary according to class, but all will consolidate learning from the lesson - please see VLE and child's planner for details

### How can you get involved?

- Allow your child to look in the fridge and kitchen cupboards to get an idea of products weight, capacity etc.
- Ask them to estimate weights, heights, dimensions of household objects.
- Ensure your child has a scientific calculator – available from Maths Shop in A6. They can measure objects then calculate the surface area etc.
- Encourage your child to use the [www.mymaths.co.uk](http://www.mymaths.co.uk) website and the Maths Area on the VLE to reinforce learning.

### What are we doing in class?

**Term 5 – Learning how to calculate with and compare fractions, decimals and percentages.**  
- **Looking at Probability and chance. Making predictions based on likelihood.**

**Weekly Home Learning Tasks** - will vary according to class, but all will consolidate learning from the lesson.

### How can you get involved?

- Ask your child to work out the better deals when shopping and in the media.
- Ask your child to estimate or work out probabilities and likelihood in everyday life.
- Encourage your child to use the [www.mymaths.co.uk](http://www.mymaths.co.uk) website and the Maths Area on the VLE to reinforce learning.
- Encourage your child to practice fractions, decimals and percentages using [www.sumdog.com](http://www.sumdog.com) website with their own personal log in.

### What are we doing in class?

**Term 6 - Learning how to manipulate and solve algebraic equations.**

**Weekly Home Learning Tasks** - will vary according to class, but all will consolidate learning from the lesson.

### How can you get involved?

- Encourage your child to use the [www.mymaths.co.uk](http://www.mymaths.co.uk) website and the Maths Area on the VLE to reinforce learning.