



Maths Home Learning

A guide for parents

Firstly, thank you for supporting your child's learning at home. We understand how difficult it can be attempting to home school children. With this in mind, we have tried to make things as clear as possible for you to effectively support your child in Maths while they are not able to attend school in person.

On a weekly basis, we here at Clifton will continue to provide a comprehensive home learning pack covering a range of subjects. The Maths provision includes a range of resources and to ensure you can get the best out of them for your child, please read this quick guide to help you understand exactly what's included and how to make best use of it.

Included for each lesson is the following:

An online video

A printable worksheet

Additional fluency worksheets (to help master key skills)

Reasoning and problem-solving questions (to extend learning)

Answers



Online Videos and worksheets:

Each lesson comes with an online video. Simply click on the link provided in the home learning pack for the correct day and click play.

The first slide will be a 'Get Ready' slide. Pause the video here and allow your child to complete the questions on the slide. It is vital your child has some paper to show their jottings and working out. Once complete, the answers will appear for you to self-mark.

The video is split into separate parts. Look out for the pause symbol and pause the video according to when it tells you to. Your child will then complete part of the worksheet as stated on the slide. You will need the worksheet ready alongside the video as your child will complete in stages.

Once completed, click play and watch the rest of the video. This will teach the methods and strategies required to complete the rest of the worksheet.

Additional fluency:

These resources are for all children, in order to master the key skills required to achieve the objective of the lesson. If your child has found the lesson challenging and needs to practise some more of the key skill before moving onto more complex problem solving, this is their opportunity to do so.

Extra reasoning and problem-solving questions:

These will be provided and should be completed once the other worksheets have been completed. They will be challenging and are there to extend the learning so children can demonstrate their mastery of a key skill in a range of contexts.

Answers:

The answers to all the above resources will be provided in your packs. You can either mark as you move through each lesson or at the end. For more complex problems, having an answer is a great starting point for you child to then start thinking about proving how to get there using a range of strategies they have been taught. It has often been said that a brilliant mathematician is able to provide a range of solutions to one problem rather than one solution to a range of problems!

Key Maths questions to ask your child:

Questioning is everything in Maths and allowing your child to discuss how they came to a solution, rather than simply telling you the answer will deepen their understanding. Here are some quick and easy questions you can try at home:

How do you know?

What's the same? What's different?

Can you spot a pattern?

Why do you think this?

Can you explain how you got that?

Can you show me this using a different method?



Additional Maths Resources

We know that you are busy working on the home learning activities provided by School, however we would also like to offer some additional resources and guidance linked to Maths which you may find useful.

One of the most important things that your child can do to support their Maths learning whilst at home is to keep practising their key number facts, including number bonds and their times tables. Below are some resources and tips to support them with this.

Resources for practising times tables/number facts at home:

The following websites and resources have all been checked and are suitable for use by children but, as always, please do ensure that children are supervised when using the internet.

Times Table practice:

Websites:

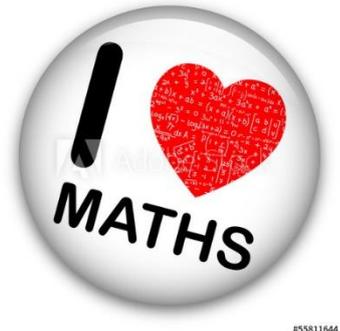
- Times Table Rockstars
<https://trockstars.com/>
- Maths Frame
<https://mathsframe.co.uk/>
- Times tables.co.uk
<https://www.timestables.co.uk/>
- Top Marks
<https://www.topmarks.co.uk/maths-games/7-11-years/times-tables>



Apps:

- 10 Minutes a Day Times Tables (Apple only)
<https://apps.apple.com/gb/app/10-minutes-a-day-times-tables/id775904110>
- DoodleTables: Times Tables (Apple and Android)
<https://apps.apple.com/gb/app/doodletables-times-tables/id1280376906>
<https://play.google.com/store/apps/details?id=com.ezeducation.doodlemaths.tables>

Number facts practice:



- The Maths Factor
<https://www.themathsfactor.com/>
- Top Marks
<https://www.topmarks.co.uk/maths-games>
- Math Playground
<https://www.mathplayground.com/>
- CBeebies Number Blocks (EYFS)
<https://www.bbc.co.uk/cbeebies/grownups/help-your-child-with-maths>

Some tips for practising times tables/number facts at home:

- Little and often – a little bit of practise (5-10 minutes a day) will support children with retaining their number facts.
- Have key number facts displayed in the house to encourage children to practise them. You could ask children to design a poster to help them to retain key facts (eg. a 5 times table poster)
- Have a 'fact of the day'. This could include related facts. For example, if the fact was $18 + 2 = 20$, you could link the 3 related facts: $2 + 18 = 20$, $20 - 18 = 2$, $20 - 2 = 18$

Fact of the day:

$$3 \times 7 = 21$$

$$7 \times 3 = 21$$

$$21 \div 3 = 7$$

$$21 \div 7 = 3$$

Fact of the day:

$$18 + 2 = 20$$

$$2 + 18 = 20$$

$$20 - 18 = 2$$

$$20 - 2 = 18$$

Quick fire practice: as you are taking your daily exercise, for example, ask some quick fire questions to support children's ability to recall facts at speed.

- Look for patterns. Eg, for times tables: the 2 times table is always even and ends in 2, 4, 6, 8, 0, the 5 times table alternates between odd and even and always ends in 5 and 0 – could children create a poster/fact sheet to show these?
- There are lots of other tips and ideas for games and activities included in the resources linked above and below.

Additional Maths resources:

Below is a list of links to additional Maths resources that have been produced to support home learning. They provide opportunities to practise number fluency as well as other areas of the Maths curriculum. A lot of these include videos with links to activities and all are free to access. Most of these provide resources from EYFS through to Year 6.

- **The Maths Factor**

<https://www.themathsfactor.com/>

Create a free login and practise key Maths skills with Carole Vorderman. For children aged 4- 12, with activities matched to the National Curriculum. There are a range of activities including daily lessons and Maths games.

- **White Rose Maths**

<https://whiterosemaths.com/homelearning/>

White Rose Maths resources are used a lot in school and they have published a set of free resources with daily videos and activities available for free on the link above. They also produced some free activity ideas over the Easter holiday which are available for download.

- **Mathematics Mastery**

<https://www.mathematicsmastery.org/free-resources>

This website has a range of pupil packs and activities for all ages which are free to download.

- **I See Maths**

<http://www.iseemaths.com/home-lessons/>

Each day a new teaching video and activity is uploaded for KS1, Years 3-4 and Years 5-6

- **Hamilton Trust**

<https://www.hamilton-trust.org.uk/blog/learning-home-packs/>

There are home learning packs for each week, with activities for each day. Each download comes with Powerpoint slides, mostly fluency practice and a few nice investigations

- **Mathematics Shed**

<http://www.mathematicshed.com/maths-at-home-shed.html>

Here you will find lots of tips for supporting your child with their Maths learning at home, as well as links to websites and activities.