



## NRICH Maths at Home

The LINKS listed below are from a UK Maths site.

The site contains a wealth of resources to support learners working mathematically at home. You can also explore the many other resources on the site.

The activities help learners deepen their mathematical understanding and is also a fantastic opportunity for adults to support learners in developing their problem-solving and reasoning skills.

*Note: All UK grade levels are named differently than NS grade levels.  
Not all concepts listed in the UK or United States grade levels match NS grade level expectations.*

**NRICH UK Primary Students (Ages 3 to 11) Maths at Home LINKS:** <https://nrich.maths.org/14600>

UK NRICH Maths at Home: Ages 3 to 5 <https://nrich.maths.org/14588>

UK NRICH Maths at Home: Ages 5 to 7 <https://nrich.maths.org/14579>

UK NRICH Maths at Home: Ages 7 to 11 <https://nrich.maths.org/14580>

**NRICH UK Secondary Students (Ages 11 to 18) Maths at Home LINKS:** <https://nrich.maths.org/14552>

## Activities have been grouped in the following ways:

**Just Jottings** - to have a go at these activities, you need nothing more than pencil and paper. This is a great opportunity to encourage learners to think about different ways of representing their ideas and recording their findings. When doing mathematics, there is often a phase of 'messy maths' while working on a problem; the neatly written solutions that appear in maths textbooks only emerge after lots of scribbling, doodling and jotting!

**Interactive Games and Puzzles** - these activities all include an online interactive environment, where learners can explore and play, in order to test out ideas and make discoveries.

**Maths to Take Your Time Over** - these activities are worth exploring over a few days or even a few weeks. Many of them are easy to get started on, and they can be extended so may keep someone absorbed for a long time! Learners can keep coming back to the same activity, mulling ideas over in between periods of focused thinking, and recording their ideas and findings, whether independently or with support from you. Some low threshold high ceiling activities are appropriate over a range of ages so could be explored by several members of the family together.

**Print It Out** - to get the most out of these activities, you need access to a printer (black and white copies are usually fine).

**Homemade Maths** - these activities need some everyday bits and pieces. Anything will do! You can use buttons, scraps of paper or even sweets as counters. Create your own digit cards from paper or card, and use Lego bricks instead of Multilink (interlocking cubes). If you have a printer you can print off number grids, circle templates, dotted grids, dominoes etc. from the [printables page](#).

You may find it useful to watch [this video](#), created for the Solving Together project, which is filled with top tips for parents on how to work together with children on mathematical games and activities.