



To help children focus on their mental maths skills and their rapid recall of various maths facts we have developed Rainbow maths for Leechpool Primary School. Once a week pupils will complete a Rainbow maths sheet.

The Maths curriculum relies on pupil's knowledge of various maths facts, including times tables. By the end of Year 4, children are expected to know all their times tables facts up to  $12 \times 12$  and the related division. Rainbow Maths is suitable for children in KS2. Some of the skills in latter colours may not be taught until upper KS2 (percentages of amounts in Year 5 for example).

**All children begin on Red.** There are two sheets for each colour. The sheets are of the same level of 'difficulty' and cover the same skills. It is not intended that children must complete both a and b or need to alternate in any way. Familiarity with the questions and/or answers is not a problem since we are intending to support fluency.

**6 minutes** are given to complete the sheet. To successfully complete a sheet, children should make **no more than 2 mistakes**. If a child makes more than 2 mistakes or does not complete the sheet they remain on the same colour the following week. **Each colour needs to be successfully completed twice.**

We **do not** expect pupils to successfully complete every worksheet every time. Rather children will work through the scheme at their own pace and may take several attempts to successfully complete a colour.

On successfully completing each colour pupils will receive a corresponding colour certificate and their achievement celebrated in an assembly. Those pupils who reach the end of the rainbow will receive a rainbow wristband which can be worn in school.

The Table below outlines the skills/knowledge required to complete each colour.

<b>Red A/B</b>	<b>2 x table</b> <b>5 x table</b> <b>Sequences</b> <b>Number bonds to 10</b>
<b>Orange A/B</b>	<b>2,5,10 x tables</b> <b>Single digit addition and subtraction</b> <b>Number bonds of 20</b>
<b>Yellow A/B</b>	<b>2,3,4,5,10 x tables</b> <b>Sequences</b> <b>Addition and subtraction within 20</b>
<b>Green A/B</b>	<b>2,3,4,5,6,10 x tables</b> <b>Number bonds of 100 (multiples of 5 &amp; 10)</b>
<b>Blue A/B</b>	<b>2,3,4,5,6,8,9,10 x tables</b> <b>Doubles (any number)</b> <b>Number bonds of 100 (any numbers)</b>
<b>Indigo A/B</b>	<b>2,3,4,5,6,8,9,10,11,12 x tables</b> <b>Fractions of amounts</b> <b><math>\times/\div</math> by 10</b>
<b>Violet A/B</b>	<b>2,3,4,5,6,7,8,9,10,11,12 x tables</b> <b>Round to nearest whole number</b> <b>Addition and subtraction of decimals</b>
<b>White A/B</b>	<b>2,3,4,5,6,7,8,9,10,11,12 x tables</b> <b>% of amounts</b> <b>Mixed addition and subtraction</b>
<b>Gold A/B</b>	<b>Using <math>\times</math> tables facts</b> <b><math>\times/\div</math> by 10, 100, 1000</b> <b>Recognise prime numbers</b> <b>Mixed addition and subtraction</b>

The scheme is intended to be challenging and we hope that pupils will face the challenge with enthusiasm. Any extra practise children can get in learning maths facts or using mental skills will really help. Please feel free to print and practise the worksheets with your child/ren.