

## DU Year 3 Maths Planning

### Small Steps Guide

Thanks for downloading this DU Maths Small Steps Guide for our 'Progression in Mastery' resource range. The steps we provide meet statutory and non-statutory National Curriculum standards and are designed to be compatible with other schemes such as White Rose and NCETM.

### Components of our Maths PIM Range



All the maths steps devised by our team come with editable teaching slides so you can easily use DU as a basis for your next lesson. The PowerPoints provided are structured in line with the philosophies of a six-part mastery lesson.



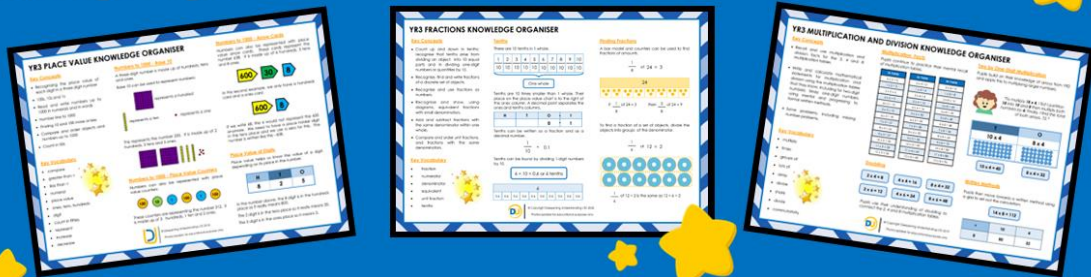
For each small step focus, you are provided with fluency application questions to consolidate learning as well as reasoning and problem solving tasks to provide challenge as pupils delve deeper into their understanding of concepts. All tasks are provided with answers, including modelled reasoning in line with our DAB (Decide, Assess, Back it up) approach. Our tasks are not differentiated: they are designed with the whole class starting at the same point and scaffolding, support and challenge offered according to pupil need.

## Morning Work



To revise and consolidate previous learning, we offer a set of morning work slides and Securing Skills Sheets. These tasks are designed to complement our PIM packs and revisit the content taught in the previous block of work.

## Knowledge Organisers



Our knowledge organisers can be used in many ways: for revision of taught content, for teacher subject knowledge or be shared with parents via a secure VLE.

## Reasoning Cards



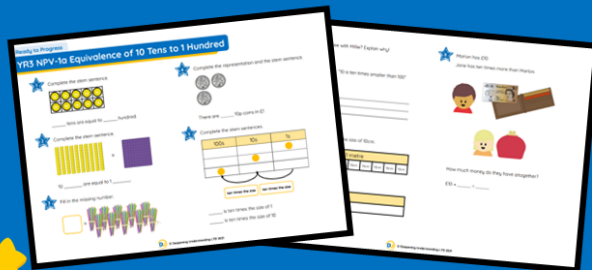
Additional tasks in the form of reasoning cards are provided. Each pack covers a broader maths objective and are useful as tasks for homework or early finishers.

## NRICH Tasks



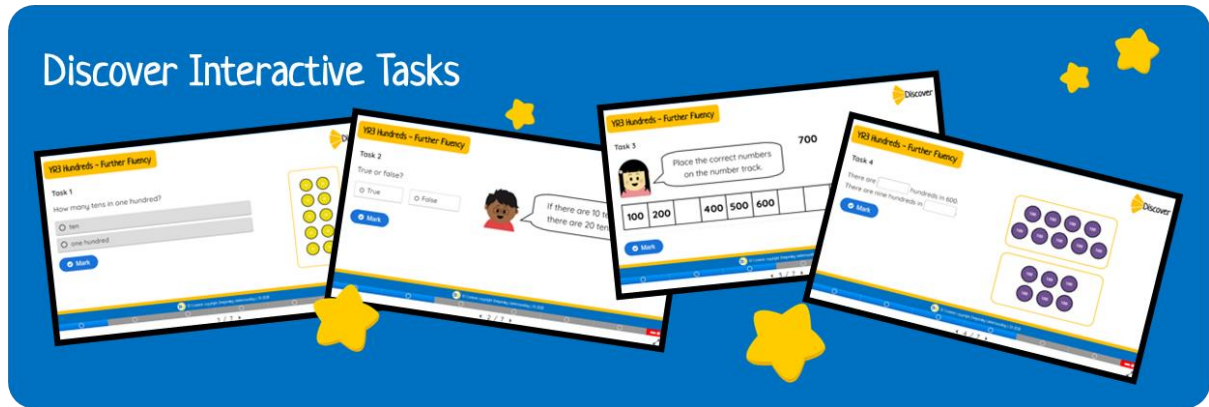
Our partnership with NRICH offers a range of exclusive 'low threshold, high ceiling' problem solving tasks. These tasks are designed to be accessible by every pupil with scope for extending the learning journey in different directions. You can also access signposted tasks and CPD articles from the NRICH tab.

## Ready to Progress Tasks



These tasks are designed to be used alongside the NCETM Ready to Progress materials. They offer additional assessment questions broken down into smaller steps, enabling you to assess exactly which areas your pupils are secure in or if further instruction is required.

## Discover Interactive Tasks



As a DU subscriber, you are also given access to Discover (our online learning platform). Each of our maths steps has an interactive task that you can assign to your pupils to complete on an electronic device. These tasks are automatically marked and can quickly provide you with performance data across your class with our question-by-question breakdown of results. These resources are perfect for alternative classwork, interventions and homework. Simply search the step name or number when setting up your next assignment in 'My Account'.

**If you've not used Discover yet, don't worry!**

All your questions and answers can be found [here](#).

## Our Small Steps Collection

The grid below outlines how you may sequence each step in your Year 3 learning journey. It also allows you to reflect upon our offering and select individual steps of maths to match the approach delivered in your setting. DU always encourages you to make changes to the materials we provide to suit the needs of pupils you teach and align our materials to any school philosophies as part of your research-driven curriculum.

### Year 3: Autumn Term A - Place Value

Step Number	Pack Name	RtP
001	<a href="#">Hundreds</a>	
002	<a href="#">Numbers to 1,000</a>	
003	<a href="#">100s, 10s and 1s</a>	<a href="#">NPV 2a</a>
004	<a href="#">Number Line to 1,000</a>	<a href="#">NPV 3</a>
005	<a href="#">1, 10 and 100 More or Less</a>	
006	<a href="#">Compare Objects</a>	
007	<a href="#">Compare Numbers</a>	
008	<a href="#">Order Numbers</a>	
009	<a href="#">Count in 50s</a>	

## Year 3: Autumn Term A – Addition and Subtraction

Step Number	Pack Name	RtP
010	<a href="#">Add and Subtract Multiples of 100</a>	
011	<a href="#">Add and Subtract 3 and 1-Digits (not crossing 10)</a>	
012	<a href="#">Add 3-Digits and 1-Digit (crossing 10)</a>	
013	<a href="#">Subtract 1-Digit from 3-Digits (crossing 10)</a>	
014	<a href="#">Add/Subtract 3 and 2-Digits (not crossing 100)</a>	
015	<a href="#">Add 3-Digits and 2-Digit Numbers (crossing 100)</a>	
016	<a href="#">Subtract 3-Digits and 2-Digits (crossing 100)</a>	
017	<a href="#">Add and Subtract 100s</a>	
018	<a href="#">Pattern Spotting</a>	
019	<a href="#">Add/Subtract 3 and 2-Digits (not crossing 10/100)</a>	
020	<a href="#">Add 3-Digits and 2-Digits (crossing 10 or 100)</a>	
021	<a href="#">Subtract 2-Digits and 3-Digits (crossing 10 or 100)</a>	
022	<a href="#">Add Two 3-Digit Numbers (not crossing 10 or 100)</a>	AS 2a
023	<a href="#">Add Two 3-Digit Numbers (crossing 10 or 100)</a>	AS 2b
024	<a href="#">Subtract 3-Digit from 3-Digits (no exchange)</a>	AS 2c
025	<a href="#">Subtract 3-Digits from 3-Digits (with exchange)</a>	AS 2d
026	<a href="#">Estimate Answers to Calculations</a>	
027	<a href="#">Check Answers</a>	

## Year 3: Autumn Term B – Multiplication and Division

Step Number	Pack Name	RtP
028	<a href="#">Equal Groups</a>	
029	<a href="#">Multiply by 3</a>	
030	<a href="#">Divide by 3</a>	
031	<a href="#">The 3 Times Table</a>	
032	<a href="#">Multiply by 4</a>	
033	<a href="#">Divide by 4</a>	
034	<a href="#">The 4 Times Table</a>	NF 2d
035	<a href="#">Multiply by 8</a>	
036	<a href="#">Divide by 8</a>	
037	<a href="#">The 8 Times Table</a>	NF 2e

## Year 3: Spring Term A - Multiplication and Division

Step Number	Pack Name	RtP
038	<a href="#">Compare Statements</a>	
039	<a href="#">Related Calculations</a>	<a href="#">NF3c</a>
040	<a href="#">Multiply 2-Digits by 1-Digit (1)</a>	
041	<a href="#">Multiply 2-Digits by 1-Digit (2)</a>	
042	<a href="#">Divide 2-Digits by 1-Digit (1)</a>	
043	<a href="#">Divide 2-Digits by 1-Digit (2)</a>	
044	<a href="#">Divide 2-Digits by 1-Digit (3)</a>	
045	<a href="#">Scaling</a>	<a href="#">NF3d</a>
046	<a href="#">How Many Ways?</a>	

## Year 3: Spring Term A - Money

Step Number	Pack Name	RtP
047	<a href="#">Pounds and Pound</a>	
048	<a href="#">Convert Pounds and Pence</a>	
049	<a href="#">Add Money</a>	
050	<a href="#">Subtract Money</a>	
051	<a href="#">Give Change</a>	

## Year 3: Spring Term A - Statistics

Step Number	Pack Name	RtP
052	<a href="#">Pictograms</a>	
053	<a href="#">Bar Charts</a>	
054	<a href="#">Tables</a>	

## Year 3: Spring Term B - Measurement: Length and Perimeter

Step Number	Pack Name	RtP
055	<a href="#">Measure Length</a>	
056	<a href="#">Equivalent Lengths (m and cm)</a>	
057	<a href="#">Equivalent Lengths (mm and cm)</a>	
058	<a href="#">Compare Lengths</a>	
059	<a href="#">Add Lengths</a>	
060	<a href="#">Subtract Lengths</a>	
061	<a href="#">Measure Perimeter</a>	
062	<a href="#">Calculate Perimeter</a>	

## Year 3: Spring Term B - Fractions Recovery Curriculum (Year 2)

Step Number	Pack Name	RtP
071	<a href="#">Make Equal Parts</a>	
072	<a href="#">Recognise a Half</a>	
073	<a href="#">Find a Half</a>	
074	<a href="#">Recognise a Quarter</a>	
075	<a href="#">Find a Quarter</a>	
076	<a href="#">Recognise a Third</a>	
077	<a href="#">Find a Third</a>	
078	<a href="#">Unit Fractions</a>	
079	<a href="#">Non-Unit Fractions</a>	
080	<a href="#">Equivalence of Half and Two-Quarters</a>	
081	<a href="#">Find Three-Quarters</a>	
082	<a href="#">Count in Fractions</a>	



## Year 3: Spring Term B - Fractions

Step Number	Pack Name	RtP
063	<a href="#">Unit and Non-Unit Fractions</a>	<a href="#">F 1a</a> <a href="#">F 1b</a>
064	<a href="#">Making the Whole</a>	
065	<a href="#">Tenths</a>	
066	<a href="#">Count in Tenths</a>	
067	<a href="#">Tenths as Decimals</a>	
068	<a href="#">Fractions on Number Lines</a>	<a href="#">F 3</a>
069	<a href="#">Fractions of a set of Objects</a>	<a href="#">F 2</a>
070	<a href="#">Fractions of a Set of Objects (2)</a>	<a href="#">F 2</a>
071	<a href="#">Fractions of a Set of Objects (3)</a>	<a href="#">F 2</a>

## Year 3: Summer Term A - Fractions

Step Number	Pack Name	RtP
072	<a href="#">Equivalent Fractions (1)</a>	
073	<a href="#">Equivalent Fractions (2)</a>	
074	<a href="#">Equivalent Fractions (3)</a>	
075	<a href="#">Compare Fractions</a>	
076	<a href="#">Order Fractions</a>	
077	<a href="#">Add Fractions</a>	<a href="#">F 4a</a>
078	<a href="#">Subtract Fractions</a>	<a href="#">F 4b</a>

## Year 3: Summer Term A - Time

Step Number	Pack Name	RtP
079	<a href="#">Months and Years</a>	
080	<a href="#">Days and Hours</a>	
081	<a href="#">Telling the Time to 5 Minutes</a>	
082	<a href="#">Telling the Time to 1 Minute</a>	
083	<a href="#">A.M and P.M</a>	
084	<a href="#">24 Hour Clock</a>	
085	<a href="#">Finding the Duration</a>	
086	<a href="#">Comparing Durations</a>	
087	<a href="#">Start and End Times</a>	
088	<a href="#">Measuring Time in Seconds</a>	

## Year 3: Summer Term B - Geometry: Properties of Shape

Step Number	Pack Name	RtP
089	<a href="#">Turns and Angles</a>	<a href="#">G 1a</a>
090	<a href="#">Right Angles in Shapes</a>	<a href="#">G 1b</a>
091	<a href="#">Compare Angles</a>	
092	<a href="#">Draw Accurately</a>	<a href="#">G 2a</a>
093	<a href="#">Horizontal and Vertical Lines</a>	
094	<a href="#">Parallel and Perpendicular Lines</a>	<a href="#">G 2b</a>
095	<a href="#">Recognise and Describe 2D Shapes</a>	
096	<a href="#">Recognise and Describe 3D Shapes</a>	
097	<a href="#">Construct 3D Shapes</a>	

## Year 3: Summer Term B - Measurement: Mass and Capacity

Step Number	Pack Name	RtP
098	<a href="#">Measuring Mass in Grams</a>	
099	<a href="#">Measuring Mass in Grams and Kilograms</a>	
100	<a href="#">Compare Mass</a>	
101	<a href="#">Add and Subtract Mass</a>	
102	<a href="#">Measure Capacity</a>	
103	<a href="#">Measure Capacity (2)</a>	
104	<a href="#">Compare Capacity</a>	
105	<a href="#">Add and Subtract Capacity</a>	