

HIAS HOME LEARNING RESOURCE

Year 5 Summer Term 2020 Overview

Resource for Teachers

HIAS Maths Team
Spring 2020
Final version

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Overview

The HIAS maths team have put together a suggested overview of maths units for the summer term which would enable children to engage in some mathematical thinking across all the domains in the mathematics curriculum. The areas of mathematics suggested are those which children would find easiest to access independently while at home. Each unit has some of the national curriculum statements for that domain but does not include all the statements. The overview and the linked documents are intended to support teacher's in their choices of tasks for home learning over the coming weeks.

For each unit of work we will provide some examples of a problem for the unit, giving a 'model' answer for the task and then similar tasks for further practise with answers.

We welcome feedback on these resources.

Year 5 Summer Term 2020

This document is intended for teachers to use and not for sharing with parents.

This document provides an overview of the areas of mathematics that could be supported at home by parents or carers during the summer term 2020. This is based on the Hampshire Scheme of Learning, which is available to schools subscribing to Moodle Plus (<https://maths.hias.hants.gov.uk>) and seeks to cover a wide range of key ideas across the domains of the maths curriculum.

Summer 1

Week	Domain	Unit Objectives
1 & 2	Multiplication and division (including square, cube and prime numbers)	<ul style="list-style-type: none">Identify multiples and factors, including all factor pairs of a number and common factors of two numbers.Solve problems involving all four operations including using their knowledge of factors and multiples, squares and cubes.
3	Geometry (position and direction)	<ul style="list-style-type: none">Plot points on a coordinate grid in the first quadrantIdentify, describe and represent the position of a shape following a reflection or translation, using the appropriate language and know that the shape has not changed.
4	All four operations	<ul style="list-style-type: none">Solve multi-step problems involving all four operations in context, deciding which operations and methods (including mental and efficient jottings and diagrams) to use and why.Use a range of appropriate numbers to solve problems in context. This should include whole numbers and part numbers (fractions, decimals, percentages)
5	Addition and subtraction (secure the formal methods) / statistics	<ul style="list-style-type: none">Add and subtract mentally with increasingly large numbersAdd and subtract whole numbers with more than 4 digits, including using formal written methods

Summer 2

Week	Domain	Unit Objectives
1	Addition and subtraction (secure the formal methods) / statistics	<ul style="list-style-type: none">Solve addition and subtraction multi-step problems in contexts deciding which operations to use and why
2 & 3	Fractions/ geometry	<ul style="list-style-type: none">Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams

		<ul style="list-style-type: none"> • Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles
4	Percentages	<ul style="list-style-type: none"> • Solve problems which require knowing percentage and decimal equivalents. • Solve problems involving simple percentages (multiples of 10%, include 1% and 50% ~ link to division by 10, 100 and 2)
5 & 6	Multiplication and division (secure formal methods)	<ul style="list-style-type: none"> • Identify multiples and factors • Divide numbers up to 4-digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context • Solve problems involving all four operations, including any combination of these.
7	All four operations (context: measure and decimals)	<ul style="list-style-type: none"> • Convert between different units of metric measure (km/m; cm/m; cm/mm; g/kg; l/ml) • Solve problems involving converting between units of time • Solve problems involving numbers with up to three decimal places

HIAS Maths Team

The HIAS Maths team offer a wide range of high-quality services to support schools in improving outcomes for learners, including courses, bespoke consultancy and in-house training.

During the current school closures, we are still offering school support in a variety of ways such as video conferencing, phone calls and bespoke creation of resources remotely. Coming soon will be teacher training via virtual classrooms.

We would be happy to discuss your needs.

For further details referring to mathematics, please contact Jacqui Cliftt Jacqui.cliftt@hants.gov.uk or Jo Lees: Jo.Lees@hants.gov.uk

For further details on the full range of services available please contact us using the following details:

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