Year 4 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 4 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 3	Multiplication and division	• Multiply two-digit and three-digit numbers by a one-digit number • Use place value understanding to divide single digit and 2-digit numbers by 10. • Derive, recall and use multiplication and division facts for 3 , 4 and 8 multiplication tables • Solve problems including missing number problems involving multiplication and division
4 5	Geometry	• Compare and classify geometric shapes • Identify acute and obtuse angles and compare and order angles up to two right angles by size • Plot specified points on a 2-D grid as coordinates in the first quadrant and draw sides to complete a given polygon. • Find the area of rectilinear shapes by counting squares (on a grid)

Summer 2

Week	Domain	Unit Objectives
1 2	Addition and subtraction	• Add and subtract with numbers up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate • Estimate and use inverse operations to check answers to a calculation • Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why • Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs • Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs
3 4	Multiplication and division	• Recall 2/3/4/5/6/8 multiplication and division facts for multiplication tables up to 12 x 12 • Multiply two-digit and three-digit numbers by a one-digit number using formal written layout

		•	Solve problems involving multiplying
		•	Find the effect of dividing a one-or two-digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths
5	Fractions	•	Recognise and show using diagrams, families of common equivalent fractions.
		•	Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
		•	Add and subtract fractions with the same denominator
		•	Recognise and write decimal equivalents to ½; ½ ; ¾
6	Measurement: Money/ time	•	Solve simple money problems involving fractions and decimals to two decimal places
		•	Estimate, compare and calculate with money in £ and p
		•	Read, write and convert between analogue and digital 12 and 24-hour clocks
		•	Solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days
7	Measurement: length	•	Convert between kilometres, metres, centimetres and millimetres
		•	Estimate, compare and calculate with measures of length
		•	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
		•	Round decimals in the context of length to the nearest whole number

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

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