

# Maths Booklet: Year 5

## Gosfield Community Primary School



**A booklet containing information about maths in Year 5 and advice on how you can help your child with maths at home.**

### **How to help your child with their maths**

Mathematics is a key learning area that has a central place in the curriculum. It provides a means to solve real problems in many everyday situations. Mathematics is not 'sums' but mental number knowledge and skills and of prime importance as they underpin written calculations.

You can help your child with mathematics at home by involving them in practical activities and by helping them to recall key facts e.g. number bonds or times tables. Some suggested activities are included on the following pages.

## Key objectives to focus on at home.

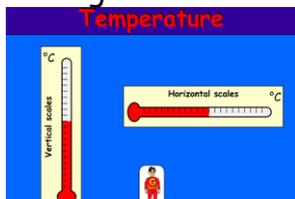
Please familiarise yourselves with the key objectives below (in bold) for Year 5 and consider how you can help your child to achieve them with discussions at home. By doing this, you can play a big role in helping your child to flourish in school.

### Place Value

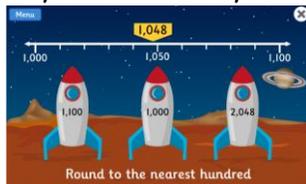
**Read, write, order and compare numbers to 1,000,000 and know the place value of each digit**

Count forwards or backwards in steps of powers of 10 from any given number up to 1,000,000

Understand negative numbers in context and can count forwards and backwards with positive/negative whole numbers, including through zero



**Round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000**



**Add and subtract whole numbers with more than 4 digits using the column method**

ADD WHOLE  
NUMBERS WITH MORE  
THAN FOUR DIGITS

White  
Rose  
Maths

## Addition and subtraction

Add and subtract numbers mentally with increasingly large numbers

## Multiplication and Division

**Multiply 4-digits by a 1- or 2-digit number using short and long multiplication**

MULTIPLY A 4-DIGIT  
NUMBER BY A 2-DIGIT  
NUMBER

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Maths

**Divide 4-digits by 1-digit using short division and provide remainders correctly**

DIVIDE A 4-DIGIT  
NUMBER BY A 1-DIGIT  
NUMBER

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Identify multiples and factors and common factors of two numbers

Recognise and use squared and cubed numbers

Use the vocabulary for prime numbers, prime factors and composite numbers <https://thirdspacelearning.com/blog/what-is-a-prime-number/>

Multiply and divide by 10, 100 and 1000

## Fractions (including decimals and percentages)

**Compare and order fractions whose denominators are all multiples of the same number**

**Read and write decimal numbers as fractions**



**Read, write, order and compare numbers with up to 3 decimal places, and solve problems with up to 3 decimal places**

## Measurement

**Convert between different units of metric measure**

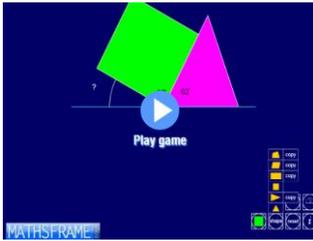
**Measure and calculate the perimeter of composite rectilinear shapes**



## Geometry

**Identify 3-d shapes from 2-d representations**

**Know angles are measured in degrees and compare acute, obtuse and reflex angles**

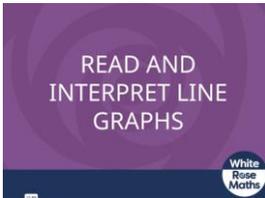


Draw and measure angles to the nearest degree

Identify angles at a point, in a turn and on a straight line

### Statistics

Solve comparison, sum and difference problems using information presented in a line graph



Complete, read and interpret information in tables, including timetables

Activities and Websites you can use to support your child with the key objectives

If you have any further questions about how to support your child with their maths, please see their class teacher.