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**Level 1 – Skilled areas**

NS1 Read, write, order & compare large numbers (up to one million)

NS10 Read, write, order & compare decimals up to three decimal places

NS2 Recognise & use positive and negative numbers

NS3 Multiply & divide whole numbers and decimals Y2 by 10, 100, 1000

NS4 Use multiplication facts & make connections with division facts

NS5 Use simple formulae expressed in words for one or two-step operations

NS7 Follow the order of precedence of operators

**Level 1 - Session ideas**

Place value activities (using concrete and/or visual resources). Using cards/dice/spinner to generate 6 random numbers which is the largest/ smallest you can make? What is the value of a digit in a given number e.g. what is the value of 8 in 365872?

Ordering numbers, comparing largest/smallest.

Writing numbers in figures and words.

Explore number lines including negative numbers. Explore negative numbers in the context of temperature and/or bank statements. Compare numbers including negative numbers e.g. highest/lower temperatures. Calculate the difference e.g. temperature/bank statements.

‘Follow me’ loop games.

Column addition and subtraction.

Multiply and divide whole numbers by 10, 100, 1000 – [games](http://www.greatmathsteachingideas.com/2012/02/16/a-kinaesthetic-resource-for-multiplying-and-dividing-by-10-100-and-1000/,%20), gap filling in number sentences eg. 67 x \_\_\_ = 6700, solve number and word problems

Multiplication/division using mental arithmetic and calculator

Using inverse operations to check answers.

Follow or identify simple formulae in order to find solutions to

problems that can be solved systematically. This can be in the form of common formulae such as Speed/Distance/Time and converting between Celsius or Fahrenheit or other systems that have repeatable maths calculations for a solution. [Formula 1](https://www.skillsworkshop.org/resources/formula_1_functional_maths)

BIDMAS problems, Tarsia jigsaw problem/dominoes.

**Level 2 - Session ideas**

Place value activities including negative numbers, ordering and comparing numbers, writing numbers (digit and word). Explore negative numbers in real-life contexts e.g. temperature/bank statements

Column addition and subtraction (estimating/approximation)

Multiplication and division in practical contexts.

BIDMAS problems, Tarsia jigsaw problem/dominoes.

Use formulae in words and symbols (e.g. converting Fahrenheit to Celsius) substitute positive and negative numbers in formulae

**Level 2 - Skilled areas**

NS18 Read, write, order and compare positive and negative numbers of any size

NS19 Carry out calculations with numbers up to one million including strategies to check answers including estimation and approximation

NS20 Evaluate expressions and make substitutions in given formulae in words and symbols

NS29 Follow the order of precedence of operators, including indices (indices Y2)

**Learning Beyond the Classroom**

Shopping

Tuck shop

Lunch in Unit

Numbers in small animals, work experience, craft activities, enterprise

**Resources**

Objects for counting e.g. counters

Numicon

Base Ten

Number lines/grids

Board games/cards

Dice