## Addition, Subtraction, Multiplication and Division: Players, Are You Ready?

## Aim:

Perform mental calculations, including with mixed operations and large numbers.

I can perform mental calculations with increasingly large numbers using all four operations.

## Success Criteria:

I can partition into thousands, hundreds, tens, ones and tenths, adding the most significant digit first.

I can add or subtract the nearest multiple of ten or 100 , then adjust.

I can identify near doubles.
I can multiply or divide by four or eight by repeated doubling or halving.

I can form an equivalent calculation.

## Key/New Words:

Multiple, add, plus, subtract, minus, take away, sum, total, nearest, partition, partitioning, repeated steps, mental, strategy, adjust, nearest multiple, doubling, halving, equivalent calculation, multiply, multiplication, lots of, groups of, divide, division.

Resources:
Lesson Pack
Coloured counters

## Preparation:

Target Decimal Board - 1 per pair Mental Calculations Four-in-a-Row Game 1 per pair
Four-in-a-Row Record Sheet - 1 per child Extra Challenge Activity Sheet - as required Strategy Poster Pack - as required

Prior Learning: It will be helpful if children have a secure understanding of place value, multiplication facts and corresponding number facts.
Learning Sequence
How Much? In pairs, children have a Target Decimal Board. Ask children to add or subtract at least two numbers on
their board to find; the highest whole number, the smallest whole number, the number closest to 100 and the smallest
number with three decimal places. Then one child in each pair selects a number from the board. This will be the target
number. In pairs, children create calculations (including numbers with decimals) to make the target number. Repeat.

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    Practiseit: Let your children practise their mental skills using this fabulous Addition Pyramids Activity Sheet.
    Createit: Children create their own game to practise mental calculations.

