Year 2 Lighthouses and Storms In Maths Autumn 2

Prior Learning

I am able to:

-Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens

-Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs

-Recall, represent and use number bonds to 10 and related subtraction facts within 10.

-Represent and use number bonds and related subtraction facts within 20

-Add and subtract 1-digit and 2-digit numbers to 20, including 0.

-Count in 2s, 5s and 10s.

-Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems.

-Solve one-step problems involving representations and arrays.

-Compare, describe and solve practical problems for lengths/heights, mass/weight, capacity and volume.

Milestones

I will be able to:

-Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward

-Recognise the place value of each digit in a two-digit number (tens, ones)

-Solve problems with addition and subtraction:

--using concrete objects and pictorial representations

--applying an increasing knowledge of mental and written methods

-Add and subtract up to any two, 2-digit numbers.

-Recall multiplication and division facts for 2, 5 and 10 and use to solve simple problems.

-Calculate mathematical statements for multiplication and division and write them using the multiplication (×) and equals (=) signs

-Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot

-Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts.

-Choose and use appropriate standard units to estimate and measure length/height (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml).

Compare and order lengths, mass, volume/capacity and record the results using >, < and =

Key vocabulary

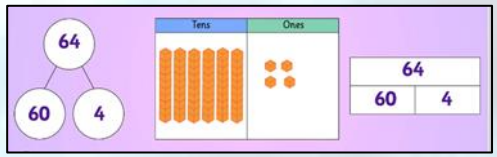
Number and Place Value – Partitioning 2-digit numbers using dienes

Addition – Calculating the total of 2 amounts

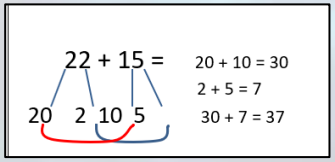
Subtraction – Calculating the difference between 2 amounts

Repeated Addition – Adding groups of the same number together multiple times

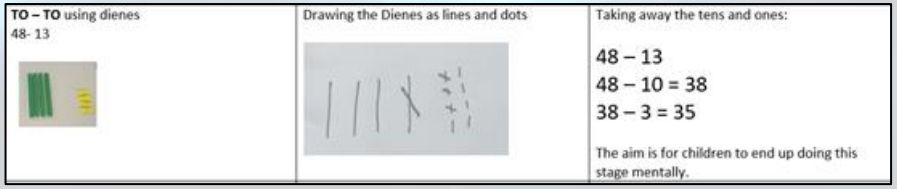
Multiplication as equal groups – Represent equal groups as a multiplication expression



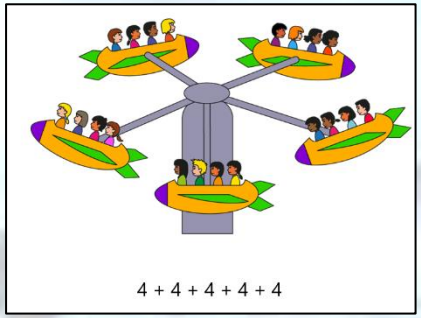
Partitioning a 2-digit number



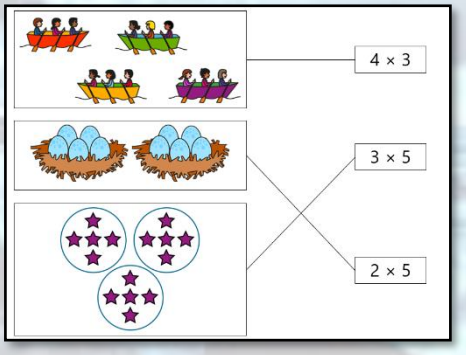
Addition using partitioning



Subtraction using dienes



Repeated addition



Multiplication as equal groups