

# YEAR 2 LIGHTHOUSES

AND

# STORMS

IN MATHS AUTUMN 2



## Prior Learning

- I can count to 100 forwards and backwards and given a number can identify one more and one less.
- I am able to compare numbers using sets of counters, making statements such as '12 is more than 5; 5 is fewer than 12'.
- I can recall, represent and use number bonds to 10 and related subtraction facts within 10.
- I can add and subtract 1-digit and 2-digit numbers to 20, including 0.
- I am able to count in 2s, 5s and 10s.
- I can solve one-step problems involving representations and arrays.
- I am able to recognise, find and name a half as two equal parts and a quarter as one of four equal parts of an object, shape or quantity.
- I can recognise and know the value of different denominations of coins and notes.
- I am able to compare, describe and solve practical problems for lengths/heights, mass/weight, capacity and volume.
- I can read o'clock and half past times.
- I can recognise common 2D and 3D shapes.

## Milestones

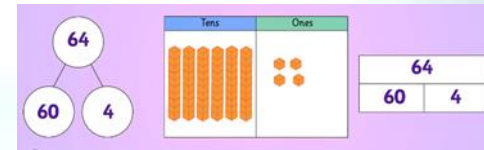
- I will be able to read scales in divisions of 1's, 2's, 5's and 10's.
- I will be able to partition a 2-digit number, including in different combinations.
- I will be able to add and subtract any two, 2-digit numbers.
- I will be able to recall number bonds to 10 and use these to calculate bonds to 20.
- I will be able to recall multiplication and division facts for 2, 5 and 10 and use to solve simple problems.
- I will be able to identify  $\frac{1}{4}$ ,  $\frac{1}{3}$ ,  $\frac{1}{2}$ ,  $\frac{2}{4}$ ,  $\frac{3}{4}$ , of a number of shape, and know that all parts must be equal parts of the whole.
- I will be able to use different coins to make the same amount.
- I will be able to read the time to the nearest 15 minutes.
- I will be able to name and describe properties of 2D and 3D shapes, including vertices, edges and, faces and lines of symmetry.

## Key vocabulary

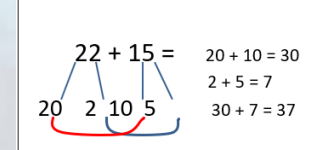
**Number and Place Value** – Partitioning 2-digit numbers using dienes

**Addition** – Calculating the total of 2 amounts

**Subtraction** – Calculating the difference between 2 amounts



Partitioning a 2-digit number



Addition using partitioning

10 – 10 using dienes  
48 – 13



Drawing the Dienes as lines and dots



Taking away the tens and ones:

$$\begin{aligned} 48 - 13 \\ 48 - 10 = 38 \\ 38 - 3 = 35 \end{aligned}$$

The aim is for children to end up doing this stage mentally.

Subtraction using dienes

## Money and Measures –

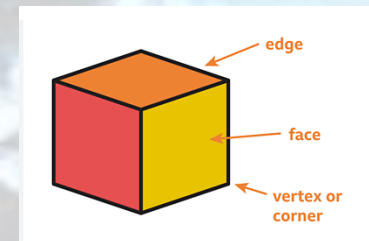
Coins 1p, 2p, 5p, 10p, 20p, 50p, £1, £2

Notes £5.00, £10.00, £20.00, £50.00



## Shape –

2D and 3D shapes and shape properties.



**Number and Fractions** – half, third, quarter, whole

