Year 2 Lighthouses and Storms

In Maths Autumn 2023

East Preston Infant School

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 ¼, 1/3, ½, 2/4, ¾, 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.
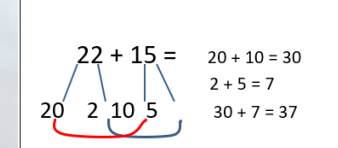
Key vocabulary

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

Addition – Calculating the total of 2 amounts

Subtraction – Calculating the difference between 2 amounts
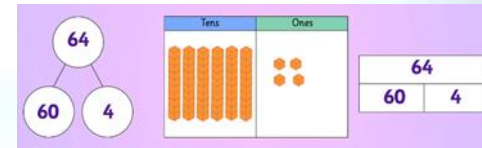
Partitioning a 2-digit number

$$22 + 15 =$$
$$20 + 10 = 30$$
$$2 + 5 = 7$$
$$30 + 7 = 37$$
Addition using partitioning

Subtraction using dienes

TO – TO using dienes 48- 13
Drawing the Dienes as lines and dots
Taking away the tens and ones:
$$48 - 13$$
$$48 - 10 = 38$$
$$38 - 3 = 35$$
The aim is for children to end up doing this stage mentally.

Money and Measures –
Coins 1p, 2p, 5p, 10p, 20p, 50p, £1, £2

Notes £5.00, £10.00, £20.00, £50.00

British Coins and Notes

Shape –
2D and 3D shapes and shape properties.
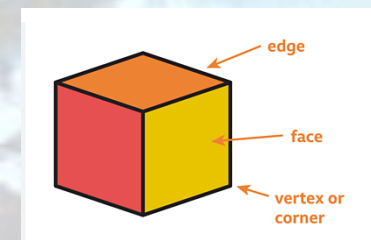
Number and Fractions –
half, third, quarter, whole