

Year 1 – Autumn 2 - Maths Skills – Toys

Number and Place Value (1 week)

- count to twenty, forwards and backwards, beginning with 0 or 1, or from any given number
- count, read and write numbers from 1 to 20 in numerals and words
- identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
count in multiples of twos and fives

Addition and Subtraction (2 weeks)

- represent and use number bonds and related subtraction facts within 20
- add and subtract one-digit and two-digit numbers to 20, including zero
- read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs
- solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$

Properties of Shape (2 weeks)

- recognise and name common 2-D and 3-D shapes, including: 2-D shapes [for example, rectangles (including squares), circles and triangles]; 3-D shapes [for example, cuboids (including cubes), pyramids and spheres]
- describe position, direction and movement, including whole, half, quarter and three-quarter turns

Mental Maths

- count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens
- given a number, identify one more and one less
- read and write numbers from 1 to 20 in numerals and words.
- represent and use number bonds and related subtraction facts within 20
- add and subtract one-digit and two-digit numbers to 20, including zero

Maths TOPIC– Year 1 Autumn 2 (FRIDAY)

Toys



Number Challenges

Challenge the children to count in amounts of pence e.g. 5p, 10p, 15p, 20p etc. or alternatively two-pence e.g. 2p, 4p, 6p, 8p etc.

Play 'Snap!' with cards – distribute playing cards between pairs or small groups of children and encourage to children to call 'Snap!' when they spot identical playing cards.

Calculation Challenges

How many five-pence pieces are there in 20p?

How many two-pence pieces are there in 12p?

A toy is 32cm high. How many more centimetres would make this 40cm? 50cm or $\frac{1}{2}$ m?

Movement and Position Challenges

Create sequences involving repeating patterns of toys e.g. teddy, teddy, toy, teddy, teddy, toy, teddy? etc.

Write number sequences involving counting in 2s or 5s etc. e.g. 0, 5, 10, 15? 25 and encourage the children to identify missing numbers.

Measurement Challenges

Order a selection of the children's toys from longest to shortest and vice versa.

Order a selection of the children's toys from heaviest to lightest - focus on developing the children's vocabulary e.g. that toy is lighter than that toy etc.

Fraction Challenges

Give the children a number of counters e.g. 12 red counters and ask them to find half of 12 etc.

Distribute playing cards. Challenge the children to share cards between 2 players. Share between 3 players. Share between 4 players

Data Challenges

Create a short list' of the children's favourite toys and then invite the children to vote on their favourite. Display the information in a whole class bar chart. Encourage the children to identify the favourite toy or the least favourite toy. Which toy was the second favourite?

Look at 'old' toys and 'new' toys and challenge the children to order.

Shape Challenges

Order a selection of shapes with a range of different criteria e.g. toys with circles (e.g. spinning top, circular blocks) toys with rectangles (board games, wooden blocks) etc.

Write labels such as cube, cuboid, pyramid, sphere and encourage the children to place these labels on different toys in order to identify their shape.