



## Year 1 Summer 1 Home Maths Learning activities



### Multiplication and Division

Children will begin learning about multiplication and division by making equal groups and sharing objects. They will use practical resources, arrays and repeated addition to help them understand these concepts. You can help at home by:

- Making equal groups- find small objects (toys, pasta, buttons, etc.) and make groups of 2, 5, or 10. Draw or take photos of your groups and write a sentence.
- Snack time sharing- share food equally between 2 or 4 people, draw and talk about what you did.
- Build it and count it- use LEGO or blocks and build towers in equal groups (e.g., 4 towers of 3 bricks). Draw what you did or write a sentence such as "4 groups of 3 is 12". Write it as a repeated addition ( $3+3+3+3=12$ )
- Practise counting in 2s, 5s, and 10s. Record yourself or write the numbers. Spot the patterns. (e.g., numbers ending in 0 or 5)
- Draw arrays (rows and columns) of numbers, such as 3 rows of 4, and label it  $3 \times 4 = 12$
- Toy shop maths- pretend toys cost 2p, 5p, or 10p. Buy multiple items and find the total. 3 toys at 5p each = 15p

### Fractions

Children will begin to understand fractions by finding halves and quarters of shapes and amounts. They will learn that fractions must be equal parts and will use practical activities, drawing and simple reasoning to support their understanding. You can help at home by:

- Share snacks or toys into 2 equal parts at home (halves) and talk about what each person gets, then draw and label your sharing in your book
- Cut food (e.g. sandwich or fruit) into 2 and then 4 equal parts, then draw the food, show the equal parts clearly and label  $1/2$  or  $1/4$
- Draw what you did (e.g. food or sharing) and write a short sentence such as "This is a half" or "This is a quarter"
- Draw shapes split into 2 and 4 equal parts, colour one part neatly and label it correctly

- Draw objects (e.g. 6 or 8), circle or shade half or a quarter, and write what you found (e.g. Half of 6 is 3)
- Complete simple sentences such as: Half of 6 is \_\_\_ and A quarter of 8 is \_\_\_

## Problem-solving questions

Problem-solving questions help children apply their maths knowledge from across the year into real-life situations. Children may use pictures, objects or counting strategies to support their understanding. The focus is on explaining their thinking and how they found their answer, not just the result.

- Tom has 2 apples. He gets 1 more. How many apples does he have now?
- There are 5 toys in a box. 2 are taken out. How many are left?
- Lucy has 4 stickers and gets 3 more. How many now?
- There are 6 children. Each child has 1 pencil. How many pencils altogether?
- There are 2 plates with 3 biscuits on each. How many biscuits altogether?
- Sam has 10 counters. He puts them into 2 equal groups. How many in each group?
- What number is this: 1 ten and 5 ones?
- There are 3 groups of 2 apples. How many apples altogether?
- There are 8 sweets shared equally between 2 children. How many of each?
- A pizza is cut into 4 equal parts. You eat 1 piece. What fraction is this?

## Online maths games

*coconut multiples (focus on 2, 5s, or 10s)*

*Dog Dinner division*

*Maths train (for multiplication focus on 2, 5s, 10s)*