

# Maths Mastery Home Learning Challenge

## Adult Guidance

### What Are We Learning?

We are learning to use language related to weight.

### How to Set up the Challenge

- Gather some objects from around the house, such as toys, books, tins and packets. Try to find a range of different sizes and weights, and to find a couple of objects which are large but light or small but heavy.
- Ask your child to choose two objects and hold them in their hands while they stretch their arms out to the sides, as if they were a balance scale.
- Talk to your child about which object feels heavier and which feels lighter.
- Ask them to tip to the side which is heavier like a balance scale would.
- Repeat with different objects. If the objects are too big to hold, try giving your child two buckets or carrier bags to hold and put the objects in them.
- If you have a set of balance scales, you could take this further by helping your child to weigh objects, such as building bricks, buttons, coins or other small objects.

### How to Get Your Child Thinking

- Which object is heavier?
- Which object is lighter?
- Can you find the heaviest or lightest of all the objects? How would you do that?
- Are the biggest things always the heaviest? How can we find out?
- Are the smallest things always the lightest? How can we find out?
- Do any of the objects weigh about the same?
- Do all cardboard boxes have the same weight?



# Heavier or Lighter?



- Find some objects from around your house.
- Hold one item in each hand and then hold your arms out so you look like a balance scale.
- Decide which object is heavier and which is lighter. Then, bend to the heavier side like a real balance scale.
- Repeat with different pairs of objects and tell a grown-up what you have found out.