

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.