

Comparing Mass

AC9M1M01_E2 Order the mass of 3 or more objects, such as rocks, using hefting and balance scales, and use comparative language: lightest, light, heavier, heaviest, explaining how you decided.

Learning Intention: I can order objects by mass and explain how I know, using hefting and balance scales.

1. Heft It

Hold one object in each hand.
The heavier one presses down.
Your hands feel the difference.

2. Balance Scales

Put one on each side.
The heavier side goes down.
The lighter side goes up.

3. Order & Say

Order: lightest, light, heavier, heaviest.
Explain how you decided.
'This is heaviest because...'

Model It

Heft two rocks: the big rock feels heavier and tips the balance down. Order: small, medium, big rock.

Let's Talk

Which feels heavier?
Which side of the balance goes down?
How did you decide?
Explain the order you made.

For Teachers & Parents

Heft first:
let children feel the mass in their hands.
Check with a balance:
the heavier object tips the scale down.
Ask them to justify the order.