

Comparing & Ordering

AC9M1M01 Compare directly and indirectly and order objects and events using the attributes of length, mass, capacity and duration, communicating reasoning.

Learning Intention: I can compare and order objects by length, mass, capacity and duration, and explain my thinking.

1. Four Attributes

We can measure four things:

length — how long
mass — how heavy
capacity — how much it holds
duration — how long it takes

2. Compare

Direct:

line objects up side by side.

Indirect:

use string or another tool to check.

Words: longer, heavier, holds more.

3. Order & Explain

Put 3 or more in order.

short, longer, longest

Say why: 'This is longest because...'

Model It

Three pencils, lined up at the same start. The one that reaches furthest is longest. Order: short, longer, longest.

Let's Talk

Which is longer? heavier?

Which holds more? Which takes longer?

How do you know?

Explain your reasoning to a friend.

For Teachers & Parents

Same starting line:

line objects up before comparing length.

Heft to feel mass:

hold one object in each hand.

Always ask children to explain the order.