

Progression in measuring

All these children are making comparisons between the distances rolled by a toy car which was started at different points on a ramp.

KS1

It went further when I let it go at the top.

This child has made a simple comparison

I marked where it stopped on the floor and I cut a bit of string that length. Then we stuck the bits of string on our wall

This child has realised the need to record how far it went, so that she can compare the measurements more easily

I used straws to tell me how far it went each time.

This child has used non-standard measurements and will be able to make a numerical comparison

I started off using my ruler to measure how far it went, but I had to keep moving it up. My teacher gave me a long tape measure and then I measured the distances in cm.

This child needed help to select a suitable piece of measuring equipment. She measured in standard units.

KS2

I rolled the car 3 times from each starting position on the ramp. I marked where the back wheels stopped each time and measured the distance in cm using a long tape measure. I then calculated the average of the three measurements.

This child has taken repeat readings and has measured to the same point on the car each time. Both these things will improve the accuracy of her measurements. She also selected the long tape measure herself and has measured in standard units.