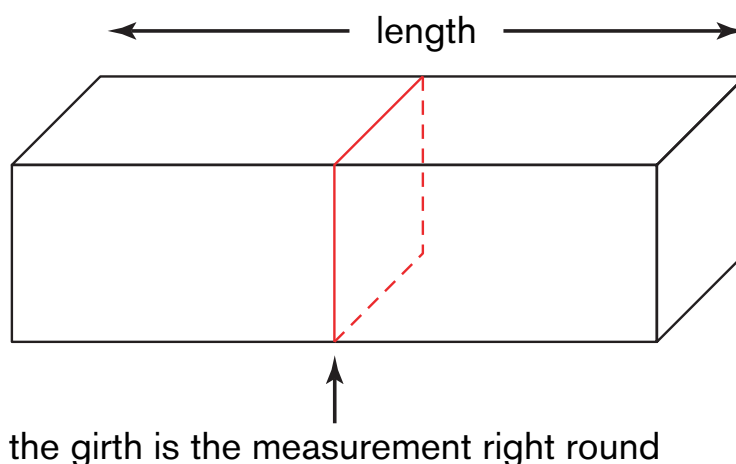


# The Parcel

## Problem sheet 2

### Sending a parcel

A courier company limits the size of parcels. The maximum allowed is '2 metres combined length and girth'. That means you add together the distance round the middle of the parcel (that's the girth) and the length.



Imagine sending a fishing rod very nearly 2 metres long and just a few centimetres round the girth!

Working with a maximum combined length and girth of 2 metres, what is the greatest volume you can get for a rectangular (cuboid) parcel? Measurements must be in whole centimetres.