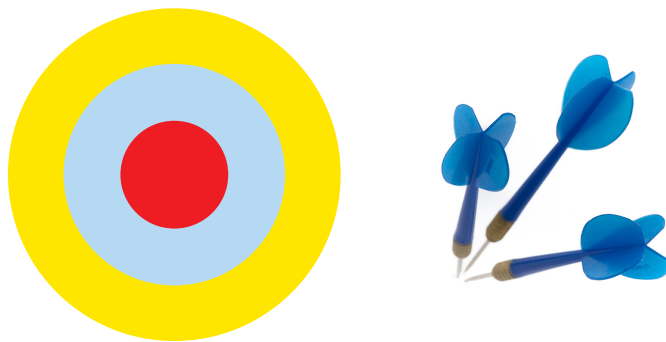# Another dartboard

Ngaio makes a dartboard with three **concentric** circles. The smallest one has radius 10cm; the next has radius 20cm; and the third has radius 30cm.

She paints the centre circular area red; the annulus between the small circle and the next circle she paints blue; and the rest of the board she paints yellow.

Ngaio is not a good darts player and her darts land at **random** on the board. If she throws 100 darts, about how many would you expect to land in the yellow region?

What scoring system would you use for Ngaio if you wanted her, on average, to get the same score each time she threw 3 darts?