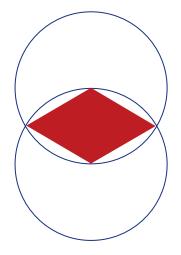# Bill's badge

Bill is making a badge. He uses a ruler and a compass, and he colours it red and white. His drawing is below.

The centre of one circle lies on the **circumference** of the other. Both circles have the same **radius**.

Use ruler and compass to draw your own copy of Bill's Badge. Bill uses a radius of 10cm for his circles.

What is the **area** of the red piece?