

Circle and Radius Square

Activity 2. Radius Square

First estimate of the ratio of the area of the circle and the radius square. Guess how many times does the radius square fit into the circle.

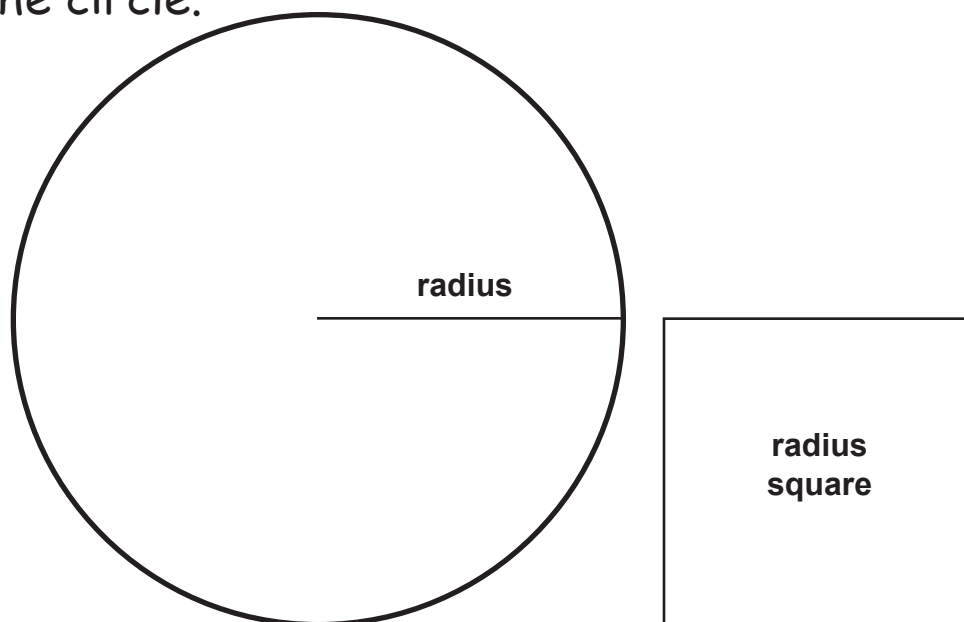


Figure 1. The circle and the radius square

Use figure 2 to convince yourself that the radius square fits more than two times in the circle.

Does the radius square fit four times into the circle?

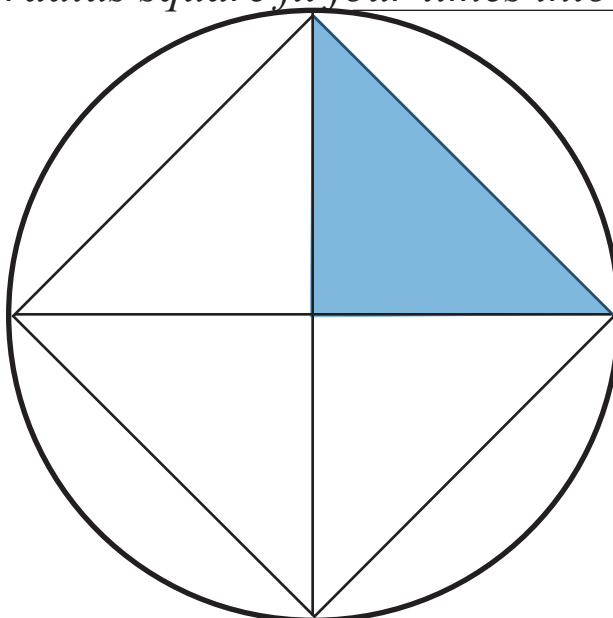


Figure 2. The shaded triangle is one half of the radius square