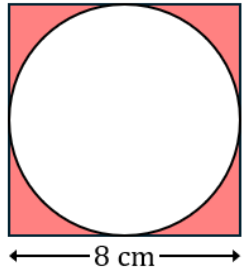


Harder Areas and Perimeters of Shapes Involving Circles

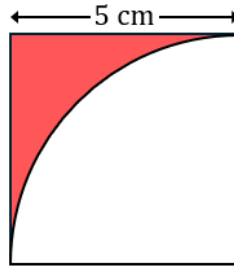
(a)

Find the shaded area to 1 decimal place.



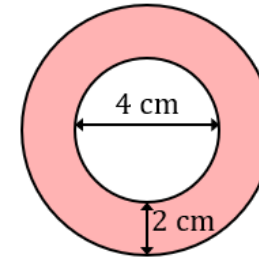
(b)

Find the perimeter of the shaded shape to 1 decimal place.



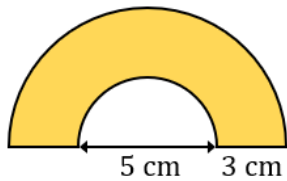
(c)

Find the area of the shaded shape, leaving your answer in terms of π



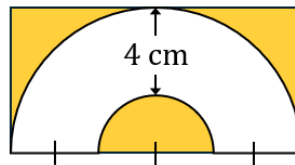
(d)

Find the area and perimeter of the shaded shape, both to 1 decimal place.



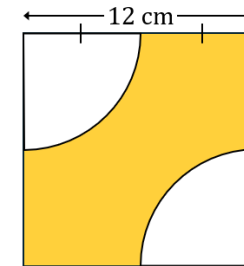
(e)

Find the total area of the shaded regions to 1 decimal place.



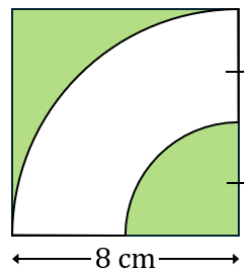
(f)

Find the area and perimeter of the shaded shape, to 1 decimal place.



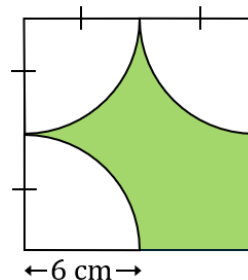
(g)

Find the total shaded area, giving your answer as an exact value.



(h)

Find the area and perimeter of the shaded shape, rounding to 1 decimal place.



(i)

Find the area and perimeter of the shaded shape, rounding to 1 decimal place.

