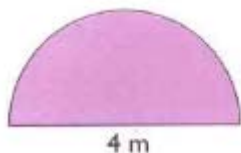
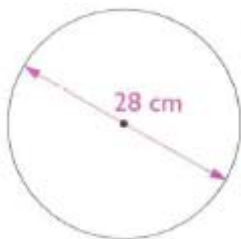


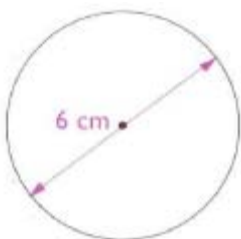
1. The figure shows a semicircular flowerbed. Find the length of decorative edging needed to go all the way around the flowerbed.



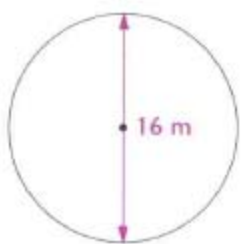
2. Find the area and perimeter of this circle using  $\pi \approx \frac{22}{7}$ .



3. Find the area and circumference of this circle using  $\pi \approx 3.14$ .



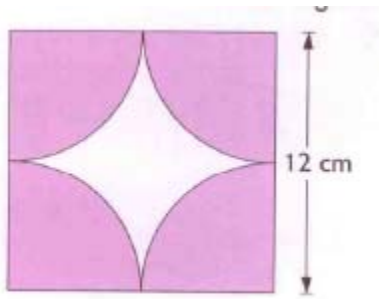
4. Find the exact area and perimeter of this circle (give answer in terms of  $\pi$ ).



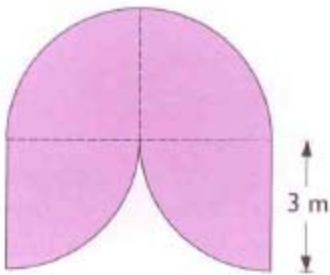
5. Find the area and perimeter of the shaded region using  $\pi \approx 3.14$ .



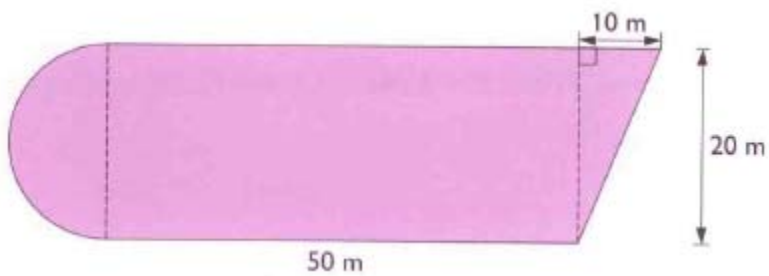
6. Find the area of the shaded region. Use  $\pi \approx 3.14$ .



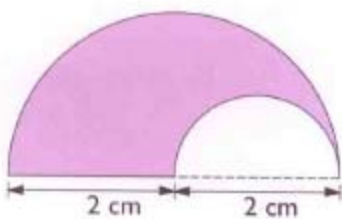
7. Find the area and perimeter of the shaded region. Use  $\pi \approx 3.14$ .



8. Find the area and perimeter of this shaded region. Use  $\pi \approx 3.14$

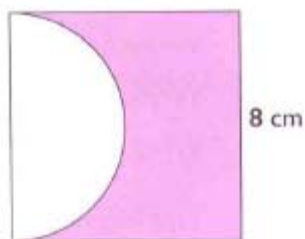


9. Find the area of the shaded region. Use  $\pi \approx 3.14$ .

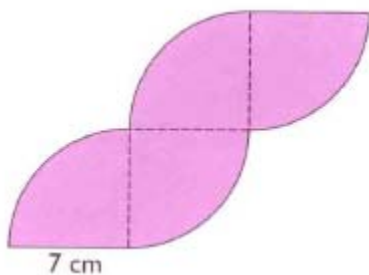


10. The figure shows a square and a semicircle. Find the area and perimeter of the shaded region.

Use  $\pi \approx 3.14$

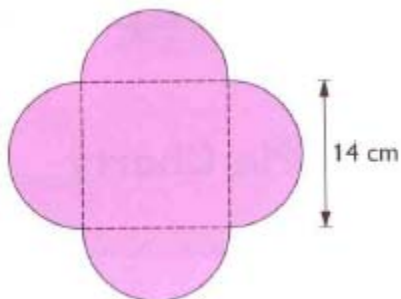


11. Find the area of this shape. Use  $\pi \approx 3.14$ .

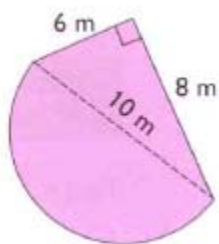


12. This table mat is made up of a square and 4 semicircles. Find the area and the perimeter.

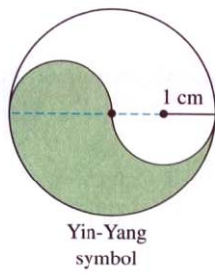
Use  $\pi \approx \frac{22}{7}$



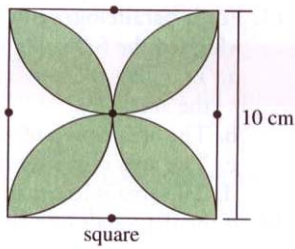
13. This figure is made up of a triangle and a semicircle. Find its area and perimeter. Use  $\pi \approx 3.14$ .



14. Find the area and perimeter of the shaded region. Leave answer in terms of  $\pi$ .



15. Find the area and perimeter of the shaded region. Leave answers in terms of  $\pi$ .



16. Find the area of the shaded region. Use  $\pi \approx 3.14$

