

Area - Area of a Circle

Find the area of each circle below.

1. $2,461.76 \text{ cm}^2$



2. $14,949.54 \text{ m}^2$



3. 254.34 in.^2



4. $3,846.50 \text{ mm}^2$



5. 86.55 m^2



6. 72.35 m^2



7. 171.95 mm^2



8. 55.39 ft^2



9. $9,847.04 \text{ yd}^2$



10. $3,629.84 \text{ in.}^2$



Find the area of each figure below.

11. A circle with radius of 300 cm. Use $\pi = 3.14$. $282,600 \text{ cm}^2$

12. A circle with a diameter of 3.8 in. Leave π in the answer. $3.61\pi \text{ in.}^2$

13. A circle with a diameter of $4\frac{4}{5}$ ft. Leave π in the answer. $5.76\pi \text{ ft}^2$ or $\frac{144}{25}\pi \text{ ft}^2$
14. A circle with a radius of 140 dm. Use $\pi = \frac{22}{7}$. $61,600 \text{ dm}^2$
15. A circle with a radius of 17.3 yd. Leave π in the answer. $299.29\pi \text{ yd}^2$
16. A circle with a diameter of 1000 in. Leave π in the answer. $250,000\pi \text{ in.}^2$
17. A circle with a radius of r . Leave π in the answer. πr^2
18. A circle with a radius of $3r$. Leave π in the answer. $9\pi r^2$