



MAth on the Fly!

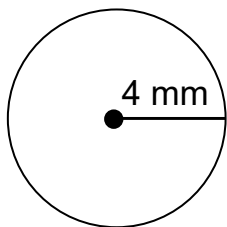


NAME: _____ DATE: _____

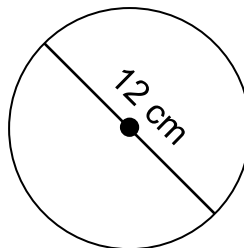
Area and Circumference of Circles

Find the area and circumference of each circle.

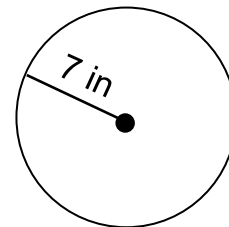
1.



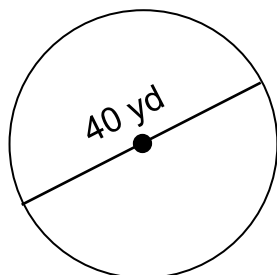
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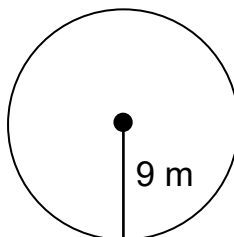
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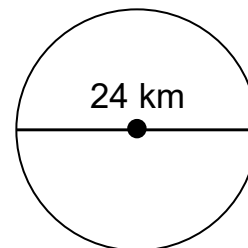
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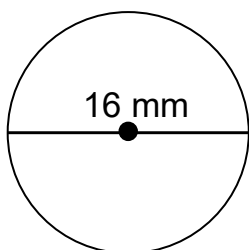
5.



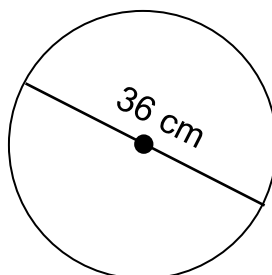
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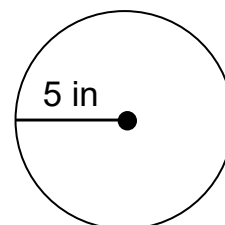
7.



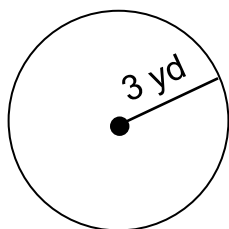
8.



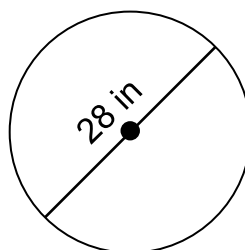
9.



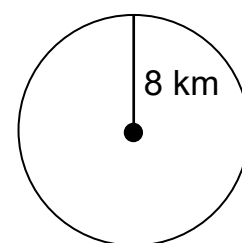
10.



11.



12.



SOLUTIONS

$$\begin{aligned} 1. \quad C &= 8\pi \text{ mm} \\ &= 25.12 \text{ mm} \end{aligned}$$

$$\begin{aligned} A &= 16\pi \text{ mm}^2 \\ &= 50.24 \text{ mm}^2 \end{aligned}$$

$$\begin{aligned} 2. \quad C &= 12\pi \text{ cm} \\ &= 37.68 \text{ cm} \end{aligned}$$

$$\begin{aligned} A &= 36\pi \text{ cm}^2 \\ &= 113.04 \text{ cm}^2 \end{aligned}$$

$$\begin{aligned} 3. \quad C &= 14\pi \text{ in} \\ &= 43.96 \text{ in} \end{aligned}$$

$$\begin{aligned} A &= 49\pi \text{ in}^2 \\ &= 153.86 \text{ in}^2 \end{aligned}$$

$$\begin{aligned} 4. \quad C &= 40\pi \text{ yd} \\ &= 125.6 \text{ yd} \end{aligned}$$

$$\begin{aligned} A &= 400\pi \text{ yd}^2 \\ &= 1256 \text{ yd}^2 \end{aligned}$$

$$\begin{aligned} 5. \quad C &= 18\pi \text{ m} \\ &= 56.52 \text{ m} \end{aligned}$$

$$\begin{aligned} A &= 81\pi \text{ m}^2 \\ &= 254.34 \text{ m}^2 \end{aligned}$$

$$\begin{aligned} 6. \quad C &= 24\pi \text{ km} \\ &= 75.36 \text{ km} \end{aligned}$$

$$\begin{aligned} A &= 144\pi \text{ km}^2 \\ &= 452.16 \text{ km}^2 \end{aligned}$$

$$\begin{aligned} 7. \quad C &= 16\pi \text{ mm} \\ &= 50.24 \text{ mm} \end{aligned}$$

$$\begin{aligned} A &= 64\pi \text{ mm}^2 \\ &= 200.96 \text{ mm}^2 \end{aligned}$$

$$\begin{aligned} 8. \quad C &= 36\pi \text{ cm} \\ &= 113.04 \text{ cm} \end{aligned}$$

$$\begin{aligned} A &= 324\pi \text{ cm}^2 \\ &= 1017.36 \text{ cm}^2 \end{aligned}$$

$$\begin{aligned} 9. \quad C &= 10\pi \text{ in} \\ &= 31.4 \text{ in} \end{aligned}$$

$$\begin{aligned} A &= 25\pi \text{ in}^2 \\ &= 78.5 \text{ in}^2 \end{aligned}$$

$$\begin{aligned} 10. \quad C &= 6\pi \text{ yd} \\ &= 18.84 \text{ yd} \end{aligned}$$

$$\begin{aligned} A &= 9\pi \text{ yd}^2 \\ &= 28.26 \text{ yd}^2 \end{aligned}$$

$$\begin{aligned} 11. \quad C &= 28\pi \text{ in} \\ &= 87.92 \text{ in} \end{aligned}$$

$$\begin{aligned} A &= 196\pi \text{ in}^2 \\ &= 615.44 \text{ in}^2 \end{aligned}$$

$$\begin{aligned} 12. \quad C &= 16\pi \text{ km} \\ &= 50.24 \text{ km} \end{aligned}$$

$$\begin{aligned} A &= 64\pi \text{ km}^2 \\ &= 200.96 \text{ km}^2 \end{aligned}$$