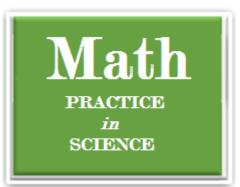
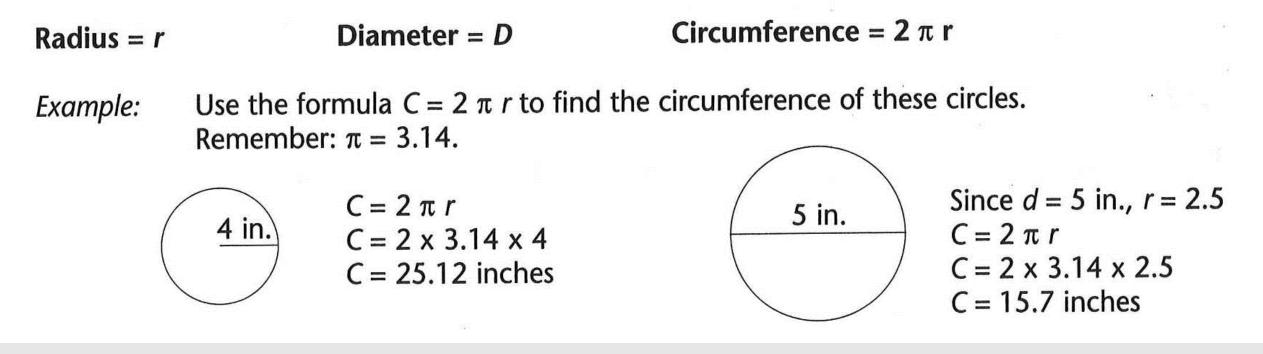
## 087 Math Practice Circumference of a Circle

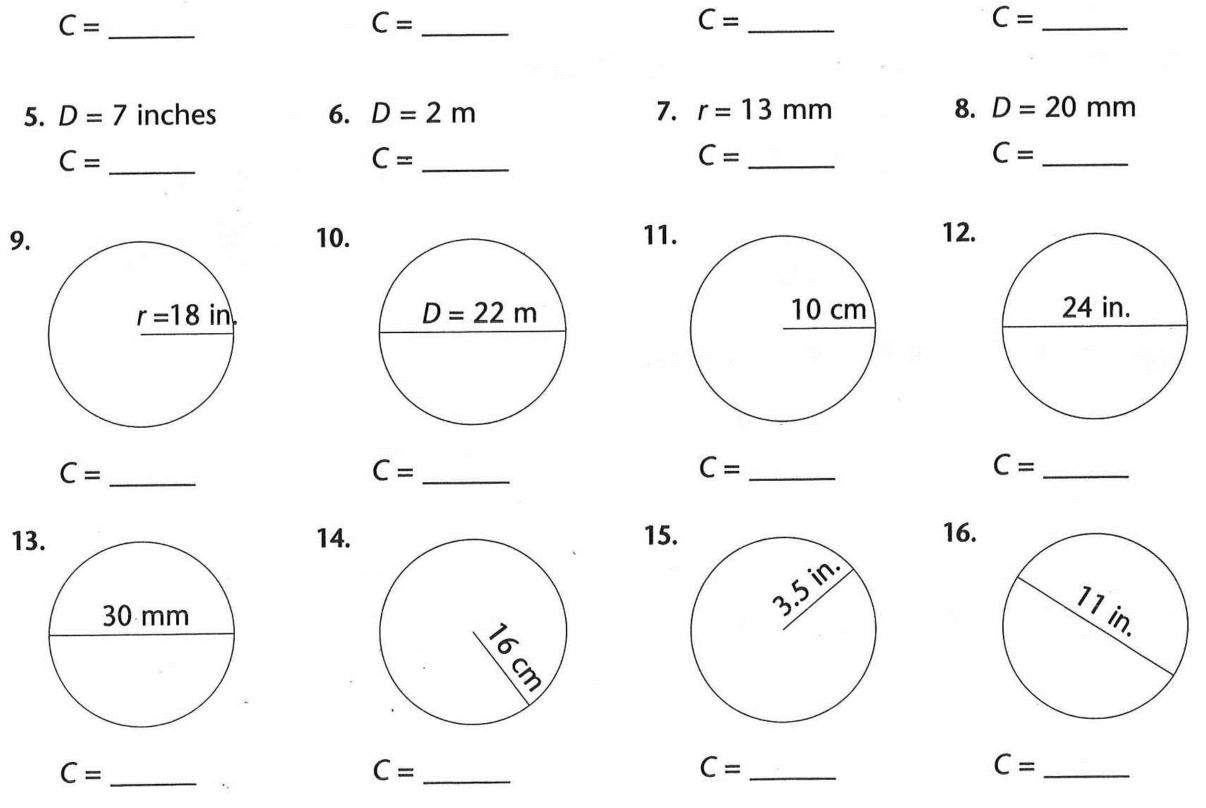


The distance around a circle is called the *circumference*. When you find the circumference of a circle, you are finding out how far it is around the circle. The *diameter* of a circle is the distance across the circle at its widest point. One-half the diamater is called the *radius*. If you divide the circumference by the diameter, you will always get a number that is a little greater than 3. This ratio is known by the Greek letter  $\pi$ , which is pronounced like *pie*. The value of  $\pi$  is approximately 3.14.



Use the formula C =  $2\pi$  r to find the circumference of these circles. Remember:  $\pi$  = 3.14.

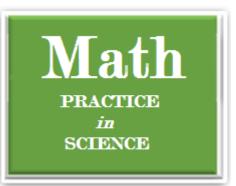
1. r = 5 inches 2. r = 8 cm 3. D = 6 cm 4. D = 9 mm



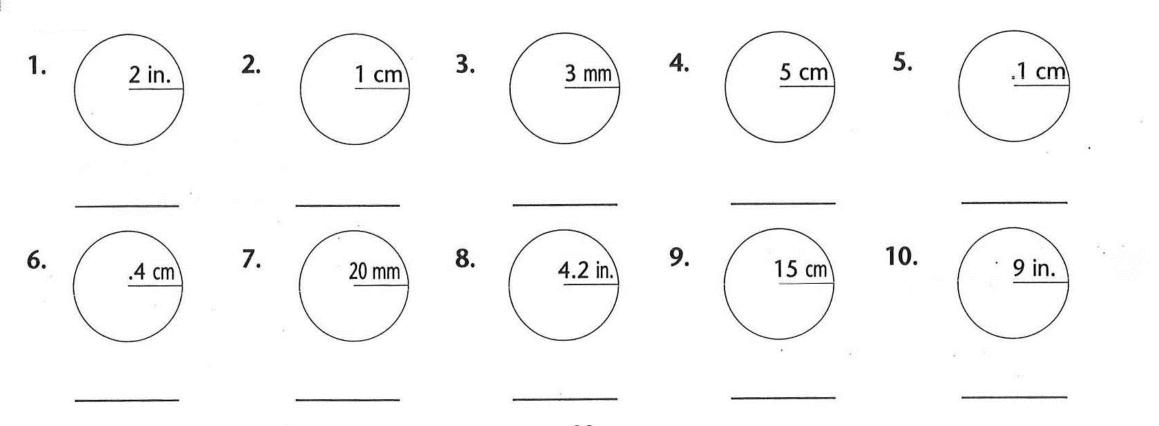
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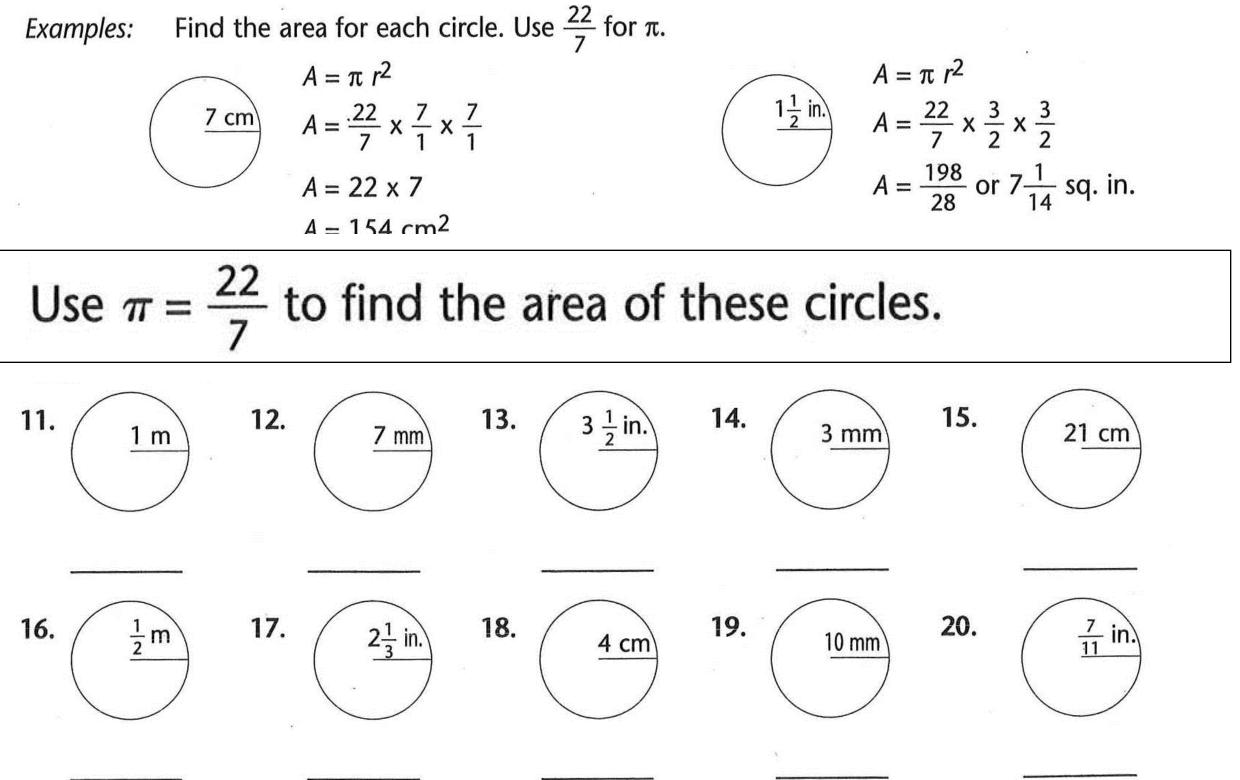
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## 088 Math Practice Area of a Circle



The area of a circle is the measure of how much surface is inside the circle. Area is given in square units. Find the area of a circle by multiplying  $\pi$  times the radius times the radius, or area =  $\pi r^2$ .  $\pi$  can be expressed as either 3.14 or as  $\frac{22}{7}$ . Find the area for each circle. Use 3.14 for  $\pi$ . Examples:  $A = \pi r^2$ Area =  $\pi r^2$  $A = 3.14 \times 2.4 \times 2.4$  $Area = 3.14 \times 6 \times 6$ 2.4 in 6 in. *A* = 18.0864 sq. in. Area = 113.04 sq. in. Find the areas of these circles. Use  $\pi = 3.14$ .





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