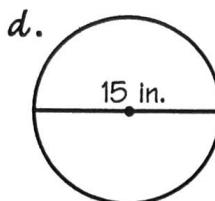
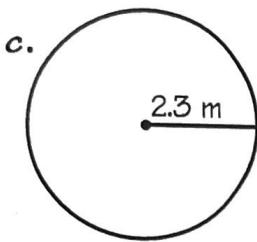
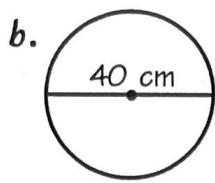
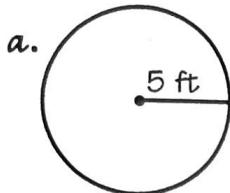


# Why Will the World Never, Ever End?

Find each correct answer at the bottom of the page and cross out the letter above it (some answers are rounded). Use 3.14 for  $\pi$ .



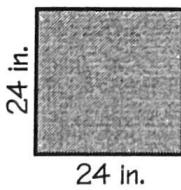
1 Find the area of each circle.



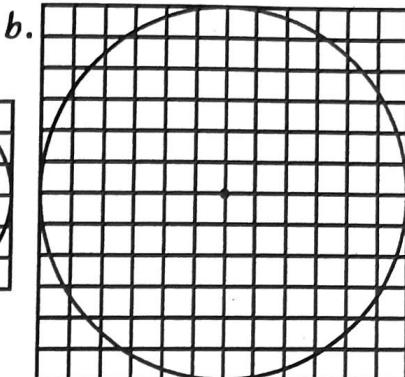
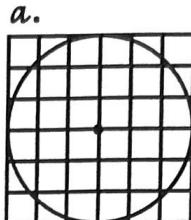
2 Backpackers who build campfires are advised to clear a 10 ft-radius circle around the fire. How many square feet should be cleared?

3 A lighthouse beacon can be seen 17 mi in all directions. To the nearest square mile, what is the area over which the beacon can be seen?

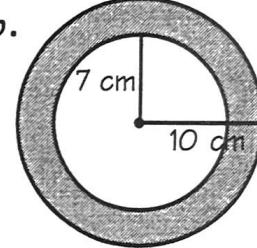
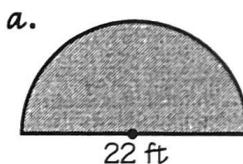
4 Mr. Gork has a square sheet of aluminum that measures 24 in. on each side. What is the area of the largest circular disk that he can cut from this sheet of aluminum?



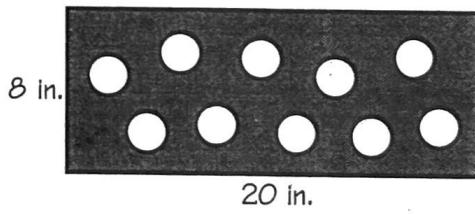
5 How many squares are inside each circle?



6 Find the area of each shaded region.



7 A crazy hole driller has drilled a bunch of 2 in.-diameter holes in a sheet of plywood, as shown below. How many square inches of plywood are left?



T	H	I	N	E	T	O	P	S	R	A	O	S	F	U	N	O	E	R	D
28.26	16.61 $\text{m}^2$	133.6 $\text{in.}^2$	907 $\text{mi}^2$	78.5 $\text{ft}^2$	109.34	189.97 $\text{ft}^2$	176.63 $\text{in.}^2$	1326 $\text{cm}^2$	194.17 $\text{ft}^2$	128.6 $\text{in.}^2$	17.41 $\text{m}^2$	452.16 $\text{in.}^2$	160.14 $\text{cm}^2$	883 $\text{mi}^2$	412.26 $\text{in.}^2$	113.04	1256 $\text{cm}^2$	314 $\text{ft}^2$	151.24 $\text{cm}^2$