[D-61] CIRCLES: Finding Circumference and Area
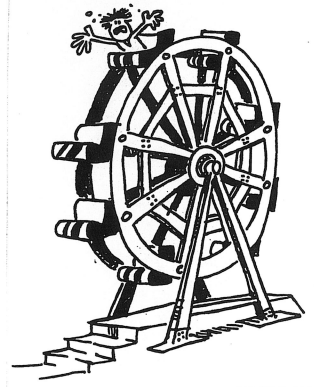
1. A circle has a radius of 12 in. Find:
   - (E) The diameter of the circle.
   - (H) The circumference of the circle.
   - (T) The area of the circle.

2. A circle has a radius of 4.4 cm. Find:
   - (S) The diameter of the circle.
   - (Y) The circumference of the circle.
   - (H) The area of the circle.

3. A circle has a diameter of 60 m. Find:
   - (I) The radius of the circle.
   - (O) The circumference of the circle.
   - (T) The area of the circle.

4. A circle has a diameter of 1.8 km. Find:
   - (O) The radius of the circle.
   - (E) The circumference of the circle.
   - (U) The area of the circle.

5. Solve. (Set up formulas for FULL CREDIT)

   Jack's cow is tied to a beanstalk with a piece of rope that is 15 ft long. What is the area of the circle in which the cow can graze?

6) A round game table has a diameter of 1 m. How much plastic laminate is needed to cover the top of this table?

7) The diameter of the earth at the equator is about 8,000 mi. Based on this figure, how far is it around the earth?

8) Radio station KROQ broadcasts in all directions to a distance of 40 mi. How many square miles are in the station's broadcast area?

9) WORLD RECORD: The world's largest Ferris Wheel was built in London in 1897. The wheel had a radius of 150 ft. How far would you travel in one turn of this wheel?