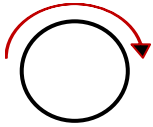


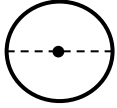
CIRCLES - CIRCUMFERENCE

ANSWERS

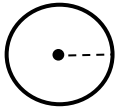
Words you should know.



THE **CIRCUMFERENCE** OF A CIRCLE IS THE DISTANCE AROUND IT. IT'S THE SAME AS THE PERIMETER BUT FOR CIRCLES.



THE **DIAMETER** OF A CIRCLE IS A LINE SEGMENT THAT CONNECTS TWO POINTS ON THE CIRCLE AND PASSES THROUGH THE CENTER. IT'S THE DISTANCE ACROSS THE MIDDLE.



THE **RADIUS** IS HALF OF THE DIAMETER. $2 \times R = D$ OR $2r = d$.

$\pi = 3.141592653589\dots$

Circumference \div Diameter = π

π , CALLED **PI**, IS THE ANSWER YOU ALWAYS GET WHEN YOU MEASURE THE **CIRCUMFERENCE** OF ANY CIRCLE AND DIVIDE IT BY THE **DIAMETER** OF THE SAME CIRCLE. YOU CAN APPROXIMATE π TO 3.14.

Now your turn. Complete each equation by filling in the empty space.

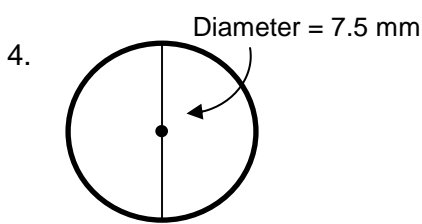
1. Circumference = $\times \pi$

2. Diameter = $\div \pi$

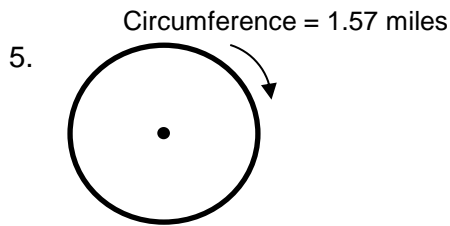
3. Circumference = $2 \times$ $\times \pi$

Find the missing Circumference, Diameter, or Radius for each circle.

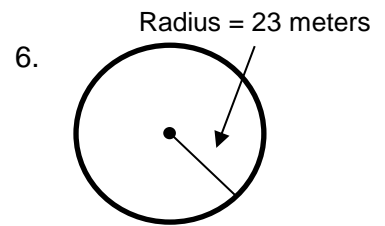
APPROXIMATE π TO 3.14.



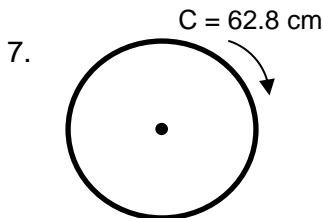
Circumference = 23.55 mm



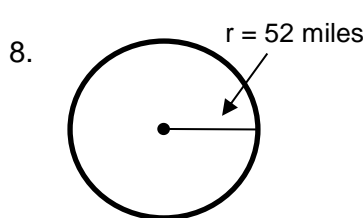
Diameter = 0.5 miles



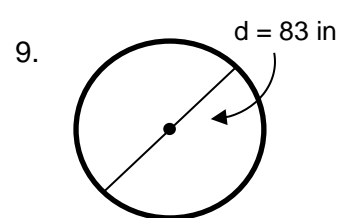
Circumference = 144.44 m



Radius = 10 cm



Circumference = 326.56 miles



Circumference = 260.62 in