

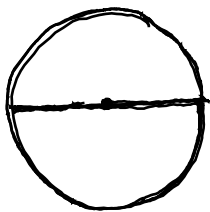
pi Day

pi - Greek letter

π

formula $C \div d$

$$\frac{C}{d} = \frac{31.4''}{10''}$$



* 10 inch pizza

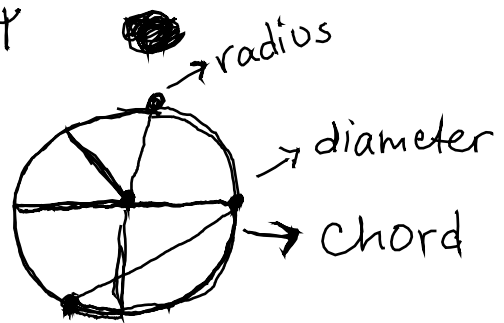
$$\pi = 3.14$$

$$\pi = \frac{22}{7}$$

terminating decimal =
the remainder will stop

$$\frac{10}{4} = 2 \frac{2}{4} = 2 \frac{1}{2}$$

$$\begin{array}{r} 2.5 \\ 4 \overline{) 10.0} \\ \underline{8} \\ 20 \\ \underline{20} \\ \hline \end{array}$$



chord - line segment that intersects two "edges" of circle. (circumference)

arc - section of the circle's "edge" (circumference)

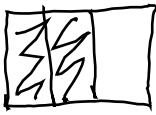
circumference - all the way around the "edge"


diameter - a chord that intersects the middle (center) point.

radius - line segment from the center point to an "edge" (circumference)
 $\frac{1}{2}$ of the diameter

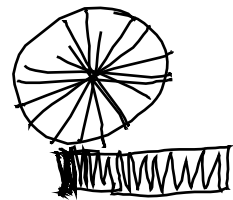


repeating decimal - is when the remainder never stops.

$\frac{1}{3}$ $\frac{2}{3}$ \rightarrow  \rightarrow $.\overline{0}$

 \rightarrow $.\overline{3}$

$$\begin{array}{r}
 .3333 \\
 3 \overline{) 1.0000} \\
 \underline{9} \\
 10 \\
 \underline{9} \\
 10 \\
 \underline{9} \\
 10
 \end{array}
 = .\overline{3}$$

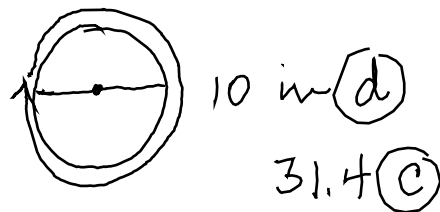


$\pi = \underline{3.1415923} \rightarrow$ infinity ...

irrational number

Mar 14 @ 1:59:23

π pi is a ratio of diameter to circumference!



$$\frac{c}{d} = \frac{31.4}{10}$$

Earth \approx 26,000 miles
 equator "circumference"
 N pole - S pole (axis)
 \approx 8,000 miles "diameter"

$$\frac{c}{d} = \frac{62.8}{20}$$