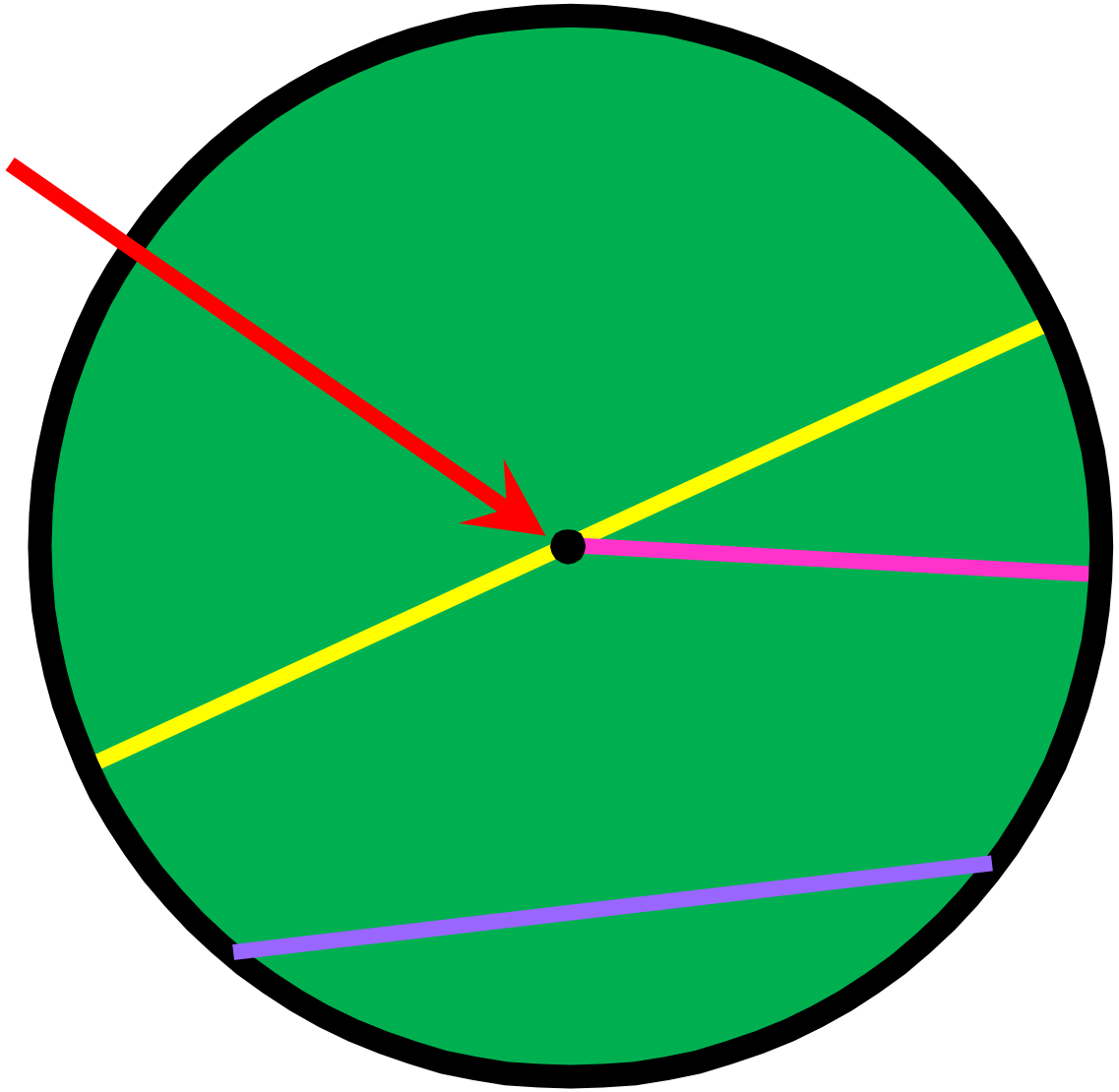
GEOMETRY

CIRCUMFERENCE AND AREA OF CIRCLES

Parts of a Circle



The _____ is the _____ of a circle.

Ancient mathematicians found out that the circumference is about a little more than ___ times the diameter.

They found out that that it's more like _____ .....and so on

Instead of using this long ongoing number they have rounded it to _____ .

This is otherwise known as

π is usually rounded to

$\pi \approx$ or

Approximately

So, instead of saying

Circumference = 3 X _____

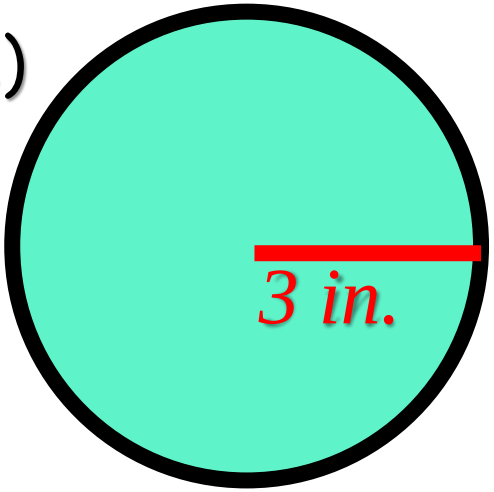
We instead say

Circumference = 3.14 X _____

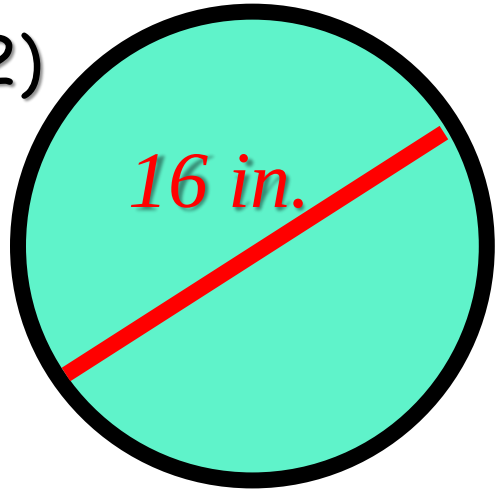
Formula for circumference

FIND THE CIRCUMFERENCE

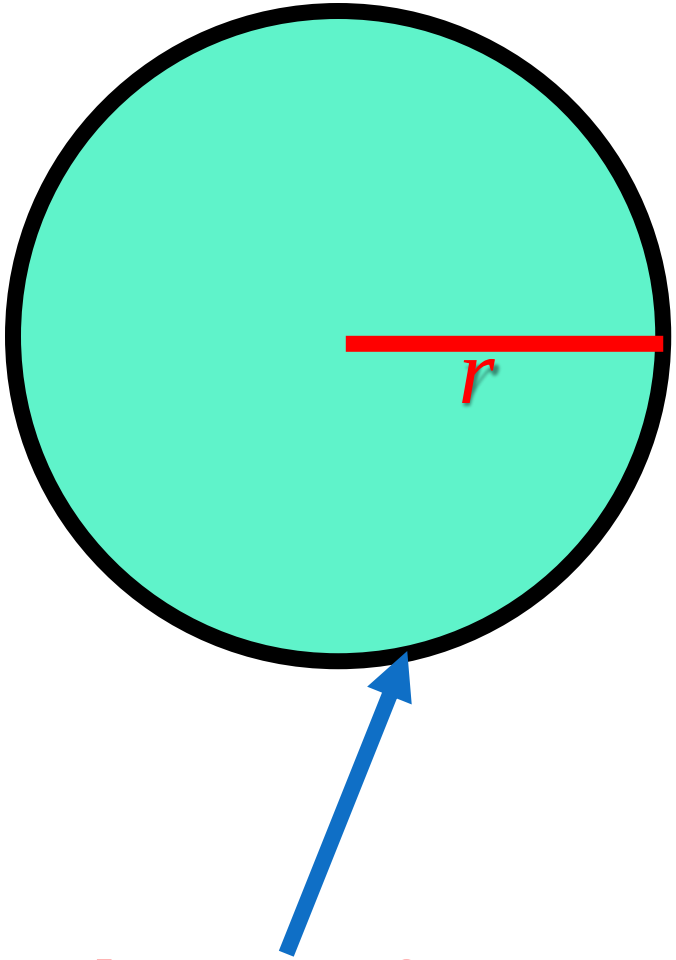
1)



2)



3) Find the measure of the radius



Circumference = 50.24 in²

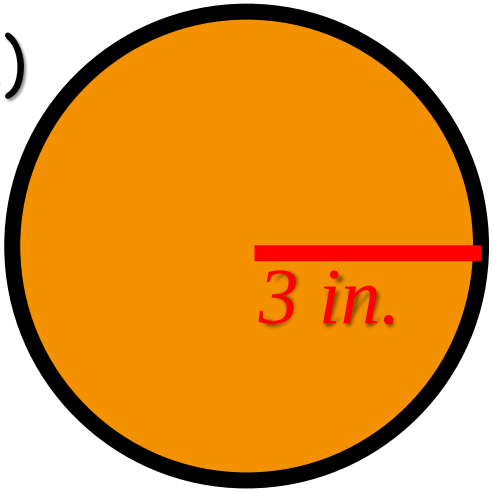
AREA FORMULA OF A CIRCLE

Area =

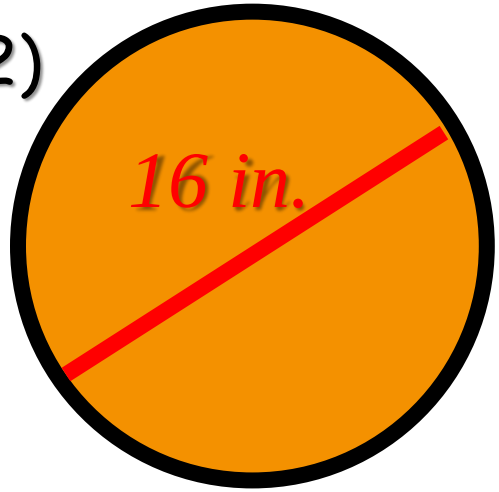
ONE WAY TO REMEMBER THIS, IS THAT AREA IS ALWAYS MEASURED IN SQUARES.

CLASSWORK

1)

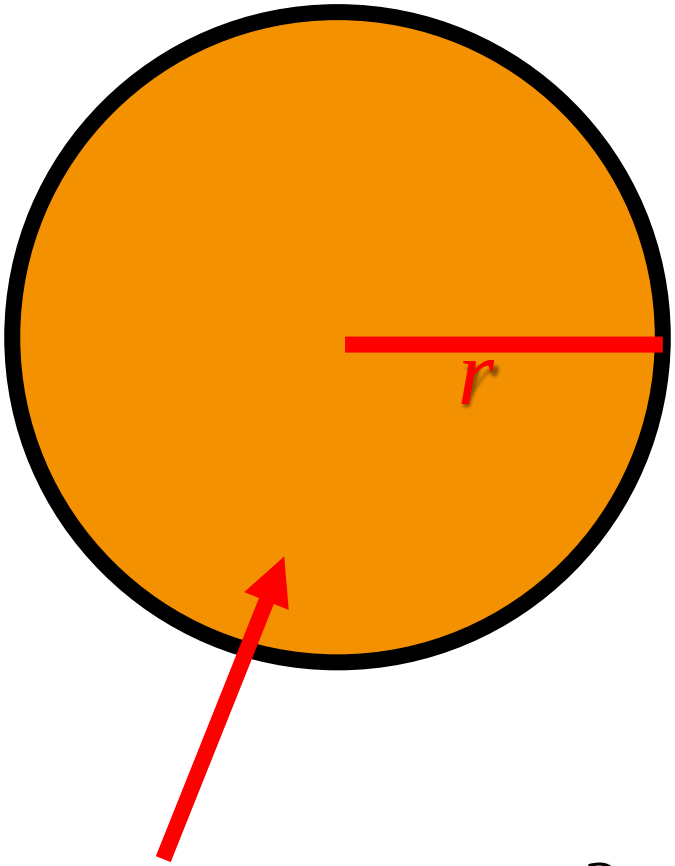


2)



CLASSWORK

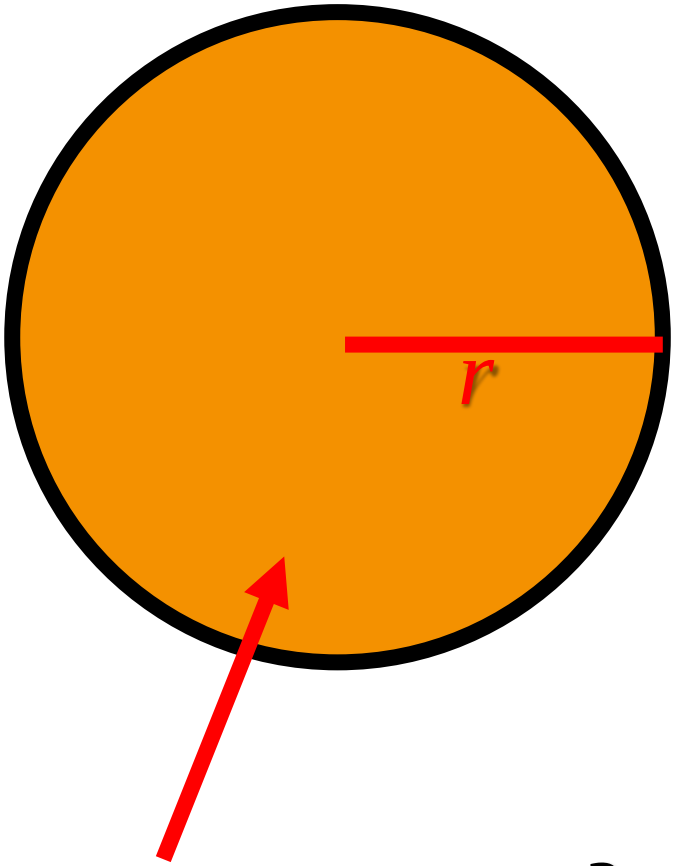
3) Find the measure of the radius



$Area = 50.24\ \text{in}^2$

CLASSWORK

3) Find the measure of the radius



$Area = 50.24\ in^2$

CLASSWORK

4) Find area of a circle if it's circumference is 50.24 cm.

CLASSWORK

5) Find area of the tan region