

May 25, 2011

Happy Birthday, Cookie Monster!!

Today's Agenda ~

Notes on circles

Finish tests

Homework: Purple worksheet - Circles

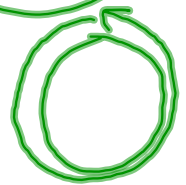
Circles

Do you remember the formulas for...

Diameter = $2r = r + r$



Circumference = $d\pi = 2 \cdot r \cdot \pi$

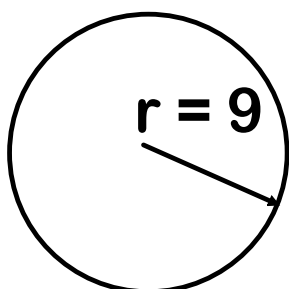


Area = πr^2



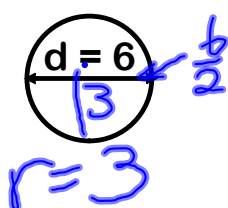
A few practice problems...

Calculate the area and circumference of each circle.
(Use the π key or 3.14.)



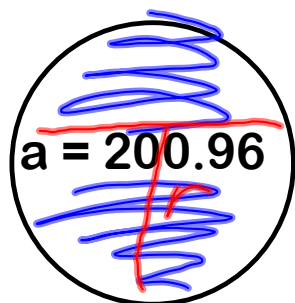
$$\text{Area} = \pi \cdot r^2 = \pi \cdot 9^2 = \underline{254.34}$$

$$\text{Circumference} = d\pi = 2r\pi \\ = 2 \cdot 9 \cdot \pi = \underline{56.54}$$



$$\text{Area} = \pi r^2 = \pi \cdot 3^2 = 9\pi = 28.26$$

$$\text{Circumference} = d\pi = 6\pi = 18.84$$



$$\text{Radius} = 8$$

$$\text{Diameter} = 2 \cdot 8 = 16$$

$$\text{Circumference} = 2 \cdot r \cdot \pi = 2 \cdot 8 \cdot \pi \\ = \underline{50.24}$$

$$A = 200.96$$

$$A = \pi \cdot r^2$$

$$\frac{A}{\pi} = r^2$$

$$\frac{200.96}{\pi} = \frac{\pi \cdot r^2}{\pi} \\ \sqrt{64} = \sqrt{r^2} \\ 8 = r$$

**Time to finish the test or
work on the homework.**

Everyone must be SILENT.

**The purple worksheet is due tomorrow,
even if you haven't finished the test.**

After getting the tests back to those who still need to finish,
and after handing out the homework worksheet,
then I will hand back the tests to everyone who finished yesterday.
We will talk tomorrow about how to improve your scores.