

## PI DAY SCAVENGER HUNT

*After you have collected your items, label each part of your entry, place everything in a folder or large envelope with your name on it, and turn the folder in to Mrs. Burke in room 8. Turn in your entry early, as time may determine the winner. You must turn in the items from at least 10 of the 14 categories to be eligible for the first-place prize. All entries must be school appropriate. You must be able to clarify or verify items in your entry, if requested.*

- 3 geometric solids which have circular cross-sections (turn in pictures, labeled with the names of the solids)  
cylinder, cone, sphere; one student brought in a plastic egg, which is an ovoid; there may be others
- .
- 1 US city with a ZIP code containing the first 5 digits of pi -- beginning with the 3 (name the city and state)  
Savannah, GA
- 4 capital letters of the alphabet - in block style - with rotational symmetry (list the 4 letters)  
H, I, N, O, S, X, Z (I may have left some out, but at least those 7 work)
- 1 US state which tried to legislate a value for pi (name the state and the year in which the action was taken)  
Indiana, 1897 - you can find some pretty interesting information online about this
- 5 formulas which include  $\pi$  (give the formulas in symbols and tell what each formula represents)  
Here are a few that come to mind:
  - area of circle ( $\pi r^2$ )
  - circumference of circle ( $2\pi r$  or  $\pi d$ )
  - volume of cylinder ( $\pi r^2 h$ )
  - surface area of cylinder ( $2\pi r h + 2\pi r^2$ )
  - volume of cone ( $\frac{\pi r^2 h}{3}$ )
  - volume of sphere ( $\frac{4}{3}\pi r^3$ )

- 9 labels or advertisements for products which use circles in their name or logo (turn in the actual labels or pictures from advertisements in newspapers, magazines, or from the internet)  
*endless choices!*
- 2 US cities with names that have references to something circular - cities should not both be in the same state (name each city and state)  
*some my students have found: Moon, South Dakota; Sun City, California; Circle, Montana; Pie Town, New Mexico*
- 6 US state flags which include circles in their design (turn in pictures of the flags)  
*lots to choose from, for example: Missouri, Kansas, Florida, Tennessee, Virginia, Washington, Idaho, Colorado, New Hampshire, Nebraska*
- 5 sports or games which use a circle or a sphere in their play (turn in pictures of the circles or spheres from the games, labeled with names of the games)  
*baseball, basketball, tennis, volleyball, lacrosse, ring toss, washer throw, etc.*
- 3 famous people with birthdays on March 14 (give name and year of birth)  
*lots of possibilities: Albert Einstein, Billy Crystal, Michael Caine*  
*check out: <http://www.famousbirthdays.net/march14.htm> or [http://www.brainyhistory.com/daysbirth/birth\\_march\\_14.html](http://www.brainyhistory.com/daysbirth/birth_march_14.html)*
- 5 movie titles with references to something circular (list the movie titles)  
*lots of choices: Pi, Dodgeball, Lord of the Rings, HOLES, Mystic Pizza, The Clock, Carousel, etc.*
- 8 kinds of candy that comes in circular pieces (turn in packages or pictures of candy from advertisements or internet)  
*lots of choices: M&Ms, Skittles, York Peppermint Patties, LifeSavers, Reese's Pieces, Sweet Tarts, Whoppers, Gobstoppers, Reese's Peanut Butter Cups, etc.*
- 9 song titles with references to something circular (list the song titles)  
*lots of choices: Ring Around the Rosie, Ring of Fire, The Wheels on the Bus, Circle of Life, Eclipse, Circles, Clocks, Spheres, Pi, etc. (my kids listed the artist who sang many of the songs and I checked them out on the Internet)*
- 7 recipes for different kinds of pie (turn in complete recipes)  
*endless possibilities!*