

The following pages give information about a Pi Day Scavenger Hunt we are inviting our high school students to participate in this year (2008). Our hope is to involve a wide range of students school-wide and to bring a little extra attention to Pi Day.

A few items of note:

- π The first page is an announcement that is appearing in our Daily Memo for all students to hear.
- π The second page is the information sheet to be handed out to all interested students.
- π As is probably obvious, some of the scavenger hunt items have mathematical value and some are strictly for fun.
- π After using the first few digits of pi for the first-place cash prize of \$31.41 (even though the decimal is in the wrong place), we are following up with 5 gift certificates from Domino's for free pizza and 9 coupons from McDonald's for free food items. Managers at our local restaurants were kind enough to donate the coupons.

The Math Department is sponsoring a Pi Day Scavenger Hunt. Participants will be asked to locate 14 different categories of items; the number of each item required will be related to a digit of pi. Each item must be turned in as explained on the Scavenger Hunt list, and all entries must be school appropriate. In order to qualify for the first-place prize, a student must correctly meet the requirements for at least 10 of the 14 items. The person who first turns in the most items (correctly meeting the requirements) will win a prize of \$31.41. Other prizes will be awarded to some of the runners-up. You can get more information and pick up the Scavenger Hunt list from any math teacher. Get your list right away, as collecting all the items may take a few days. Deadline for turning in entries is Thursday, March 13, at 3:14 p.m.

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)
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- 1 US city with a ZIP code containing the first 5 digits of pi -- beginning with the 3 (name the city and state)
- 4 capital letters of the alphabet - in block style - with rotational symmetry (list the 4 letters)
- 1 US state which tried to legislate a value for pi (name the state and the year in which the action was taken)
- 5 formulas which include π (give the formulas in symbols and tell what each formula represents)
- 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)
- 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)
- 6 US state flags which include circles in their design (turn in pictures of the flags)
- 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)
- 3 famous people with birthdays on March 14 (give name and year of birth)
- 5 movie titles with references to something circular (list the movie titles)
- 8 kinds of candy that comes in circular pieces (turn in packages or pictures of candy from advertisements or internet)
- 9 song titles with references to something circular (list the song titles)
- 7 recipes for different kinds of pie (turn in complete recipes)