

# THE MIDDLINGRAMS

SVSU Regional Mathematics and Science Center  
 "The Newsletter for the Kids in us All"  
 Spring 2009

## Hold on to your hats...

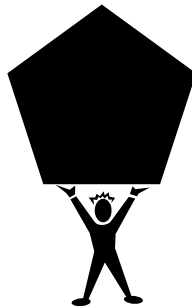
### It's time for Summer SMEK 2009!!

Spice up your summer with a trip to Science and Mathematics Extravaganza for Kids!

Summer SMEK day camps involve hands-on mathematics and science activities that will blow your mind! Each camp includes a t-shirt, various take-home projects, daily mid-morning snack and buffet-style lunch, and an end of day recreation period.

#### Junior Camp (grades 2-4)

July 7 — 9, 2009  
 8:30 a.m. — 2:15 p.m.  
 \$120



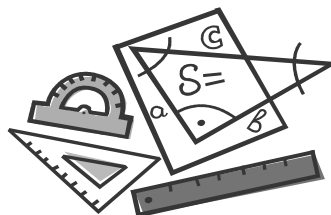
#### Senior Camp (grades 5-8)

July 13 — 17, 2009  
 8:15 a.m. — 2:55 p.m.  
 \$170



**REMEMBER:** Space is limited!  
 Register early to insure your  
 seat in this summer's camps!!

For more information and  
 pictures of previous camps,  
 visit our website:  
[www.svsu.edu/mathsci-center](http://www.svsu.edu/mathsci-center)



Check out all of the fun math brain teasers we've scattered throughout this newsletter!

For more brain teasers visit:

[http://www.coolmath4kids.com/math\\_puzzles/](http://www.coolmath4kids.com/math_puzzles/)

## Geometry Riddles

1. What kind of tree does a math teacher climb?
2. What do you have to know to get top grades in geometry?
3. Why was the obtuse angle upset?
4. What's a polygon?
5. Who invented the Round Table?
6. What do you get when you cross geometry with McDonalds?
7. What do your eyes do when you see a tough geometry problem?
8. What did the complementary angle say to the isosceles triangle?
9. Where did Christopher Complementary begin his journey?

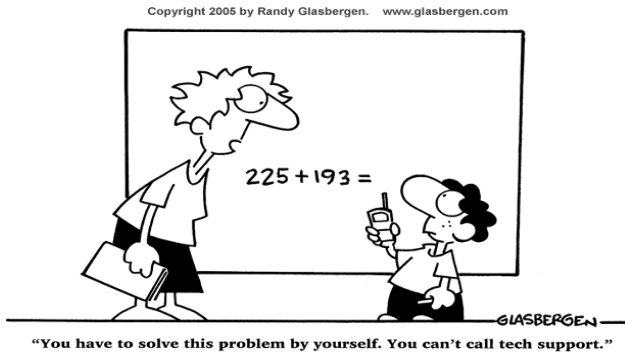
<http://www.onlinemathlearning.com/math-riddles.html>

**Geometry Riddles Answers**  
 1. Geometry 2. All the angles.  
 3. Because he was never right.  
 4. A dead parrot.  
 5. Sir Cumference. 6. A plane cheeseburger.  
 7. They dilate. 8. Nice legs. 9. At the Verta Seas.

# SMEK Saturday 09 Recap

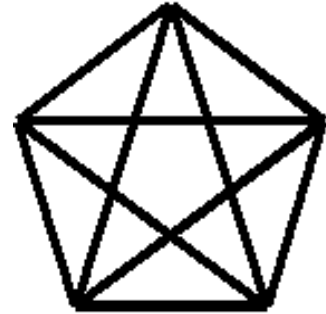
A chilly Saturday did not stop SMEK campers from attending our annual SMEK Saturday 2009. Seventy-four Junior campers and forty-six Senior campers came out for a day of fun science and mathematics learning experiences. The day consisted of making slime, along with home-made ice cream and even frog dissection. A CSI crime scene was investigated, and volcanoes erupted!

A big thanks to all of the campers who attended SMEK Saturday 2009! We hope to see all of you at Summer SMEK this coming July!



Take a close look at the following figure...

How many triangles can you find?



Answer: 35

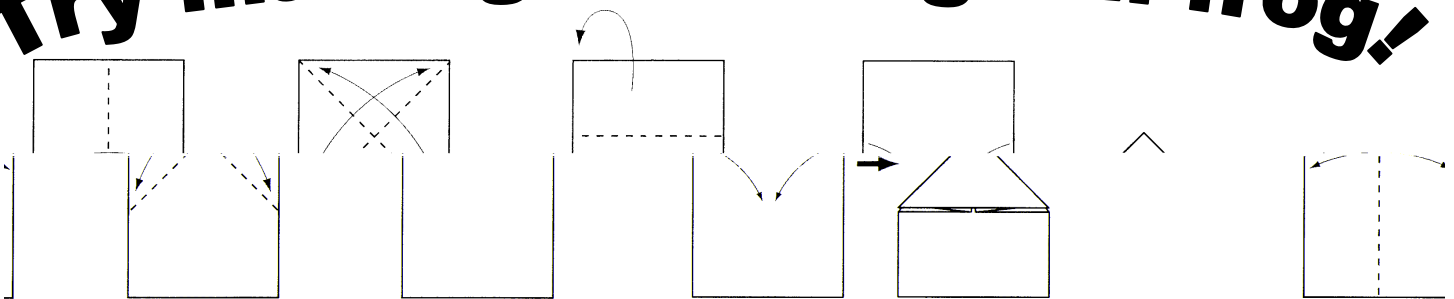
You have a 10 inch by 10 inch cube that is made up of little 1 inch by 1 inch cubes...

You paint the outside of the big cube red...

How many of the little cubes get painted?

Total:  $100 + 100 + 64 + 64 + 80 + 80 + 100 + 100 + 64 = 488$

# Try making this Origami frog!



1. Start with a rectangular sheet of paper, which you will fold in half again.

2. Fold both top corners to the opposite edge of the paper. Your creases should look like this.

3. Where the diagonal creases meet in the middle, fold the paper backwards, crease well and open.

4. Hold the paper at the sides, bring these points down the center line, then flatten. The creases should do most of the work here!

5. Fold the uppermost triangles up to the top point.

6. Fold the sides in to the center line.

7. Fold bottom of model upwards so the end sits in the center of the top diamond.

8. Now fold the same part downwards in half.

9. Turn over and your frog is finished! To make him jump, press down on his back as shown.

6. Fold the uppermost triangles up to the top point.

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# Science & Mathematics Extravaganza for Kids

## SMEK Summer 2009 Registration Form

Camp registrations are processed in the order in which they are received by the Center.  
One application per child is required.

Please **PRINT** Neatly

Child's Name: \_\_\_\_\_  
First Last

Address: \_\_\_\_\_  
Street City State Zip Code

Parent's Name: \_\_\_\_\_ Home Phone: \_\_\_\_\_

School District: \_\_\_\_\_ School: \_\_\_\_\_

Grade child will be entering in Fall 2009 (circle one):    2    3    4    5    6    7    8

T-Shirt Size (Adult Sizes) (circle one):    Small    Medium    Large    X-Large    XX-Large

*Please indicate below which camp(s) your child will be attending*

<p style="text-align: center;"><b>Junior Camp</b></p> <p>Students entering grades 2–4 for Fall 2009</p> <p><input type="checkbox"/> SMEK Jr Camp \$120.00 (July 7–9, 2009)</p>	<p style="text-align: center;"><b>Senior Camp</b></p> <p>Students entering grades 5–8 for Fall 2009</p> <p><input type="checkbox"/> SMEK Sr Camp \$170.00 (July 13–17, 2009)</p>
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*Sibling Discount:* For 2 or more children, save \$5 per child on final payment. Questions? Contact Maryann (989) 964-4114

**Check if you qualify for sibling discount:**

**Cost:** There is a **\$25.00** registration fee required to hold a place for each camp participant. Non-attendance or cancellation after the beginning of camp will mean full forfeiture of the registration fee. There is a minimum enrollment required for each camp to run. Should this minimum enrollment not be reached by June 19 a full refund will be made to all who are registered.

Fee includes lunch, all take-home items, and a t-shirt. A confirmation letter, with campus map, invoice and daily agenda will be mailed to you shortly after we receive your child's registration.

**Deadline for registration is June 19, 2009.**

Student's Signature \_\_\_\_\_ Date: \_\_\_\_\_

Parent/Guardian's \_\_\_\_\_ Date: \_\_\_\_\_

**\*\*Due to the nature of SMEK camps, we are unable to place groups of students into the same group. If you would like your child placed with one (1) other student, please write that name at the bottom of this form. Also, the other child's registration form must have your child's name on it to be placed together. There will be no session changes during the camp.\*\***

Please make checks payable to: **SMEK Camp** and return this form with registration fee to:  
**SVSU Regional Math & Science Center**  
**7400 Bay Road • University Center MI 48710**

Questions, call 989-964-4114

For Office Use Only:  
 Date: \_\_\_\_\_ Payment: \_\_\_\_\_ Staff: \_\_\_\_\_

# Geometry Fun & Games

B L T S A M E J P H H C  
P D E N P S L H E T D H  
D S G N U D A E R D F T  
R L U T G E B I I I Q F  
E E B B R T A G M W N O  
R O C A M N H H E D Y Q  
A J E T G O Q T T U U U  
U L R L A N H P E E D E  
Q Q E H T N R R R B N N  
S T Y V N O G A T N E P  
R A D I U S C L R A Y X  
E T U C A J C R E E T N

**Can you find these geometry related terms in the puzzle?**

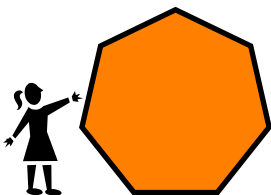
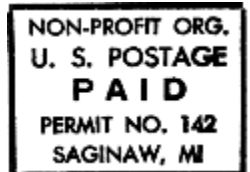
ACUTE OBTUSE RECTANGLE  
PENTAGON ANGLE RHOMBUS  
PERIMETER AREA SQUARE  
RADIUS HEIGHT TRIANGLE  
RAY LENGTH WIDTH

Created by Puzzlemaker at DiscoveryEducation.com

Geometry is all around you! Your computer monitor is more or less a rectangle, your pencil is roughly a cylinder, and viewed from the top, your cable to your computer mouse is a line segment.

[http://www.kidspoint.org/columns2.asp?column\\_id=857&column\\_type=homework](http://www.kidspoint.org/columns2.asp?column_id=857&column_type=homework)

SVSU Regional Mathematics and Science Center  
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University Center, MI 48710



**Register Early! Space is Limited!**

**Summer SMEK  
Info Inside!!**