

NAME:  
BLOCK:

# POW PACKET #5

DATE GIVEN:

DUE DATE:

SHOW ORGANIZED WORK EITHER  
ON THE PACKET OR ON ANOTHER  
SHEET OF PAPER - EXPLAIN YOUR  
THINKING!!!

CALCULATORS ARE O.K. TO USE  
UNLESS STATED OTHERWISE, BUT  
YOU MUST WRITE DOWN WHAT YOU  
PUT INTO THE CALCULATOR.

Sudoku is a number puzzle. Your puzzles consist of a 6x6 grid (six rows and six columns) divided into six 2x3 boxes. Some numbers have already been placed for you into the grid.

The object of the puzzle is to fill in all the remaining squares with the numbers from 1 to 6, so that:

- Each row contains all the numbers from 1 to 6;
- Each column contains all the numbers from 1 to 6;
- Each 2x3 box contains all the numbers from 1 to 6.

Notice that each of the numbers from 1 to 6 must appear just once in each row, once in each column, and one in each 2x3 box.

Good luck!!

1ST PUZZLE



		1	2	3	
2			5		
3	1				2
4				1	3
		2			6
	4	3	1		

2ND PUZZLE



		2			
3				5	
6			1		2
2		6			5
	1				6
			5		

1. At a recent baseball tournament, sixteen teams were competing for the championship. If one loss eliminated a team from further competition and winning teams competed against other winning teams until the champion was determined, how many games were played?

2. A multiple of eleven I be,  
not odd, but even you see.  
My digits (a pair),  
when multiplied there,  
Make a cube and a  
square out of me.

WHAT NUMBER AM I?

3. For the set (3, 4, 5, 8, x), the mean, median, and mode all have the same value. What is the value of x?

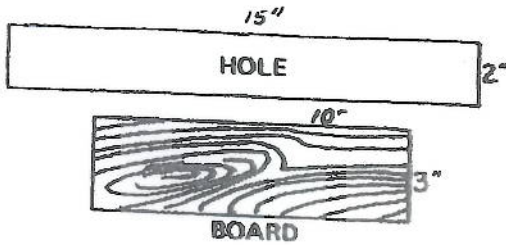


4. Can you divide each of these figures into four parts which are the same size and shape?

USE GRAPH PAPER



1. How can you cut the board into two equal pieces to cover the hole completely? *USE GRAPH PAPER*



2. The digits 0 through 8 have been classified with the letters A, B and C. How would you classify the digit 9? Why? *THINK OUT OF THE BOX.* 😊

A	1	4	7
B	2	5	
C	0	3	6 8

3.

	Field Goals		Free Throws	
	Number Taken	% Made	Number Taken	% Made
Lions	48	$37\frac{1}{2}\%$	20	55%
Tigers	40	45%	18	$66\frac{2}{3}\%$

If these are the results of a basketball game, what was the final score?

*SHOW WORK!*

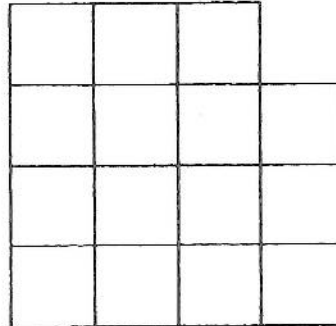
4. At the first meeting of Kathy's backgammon club the members decided to have a tournament to determine who their best players were. Each member played one game with every other member. How many games were played altogether if there are ten members in the club?



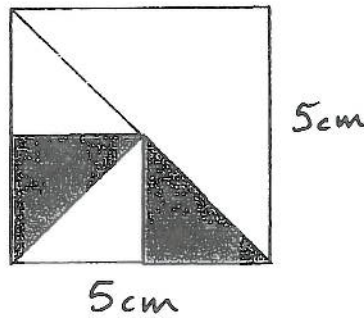
\*1.



Show how it is possible to cover the 4x4 board with five triominoes. USE A PENCIL!!



\* 2. A square measuring 5 cm by 5 cm is dissected in the following way.



What area is shaded?

what Fraction?

How many square centimeters?

# Cartoon

# Corner

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Ziggy by Tom Wilson

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## Hot Ziggety Dog!

### Discussion questions

1. Hot dogs come 10 to a package, and hot dog buns come 8 to a package. What is the smallest number of packages of each that Ziggy could buy so that there are no leftover hot dogs or buns?
2. Hamburger patties come 6 to a package, and hamburger rolls come 8 to a package. What is the smallest number of packages of each that Ziggy could buy so that there are no leftover hamburgers or rolls?
3. Ziggy is having a cookout. He wants to buy an equal number of hot dogs and hamburgers. What is the smallest number of packages of each that Ziggy could buy so that there are no leftover hot dogs, hamburgers, buns, or rolls?
4. Hot dogs cost \$3.29 per package, hamburger patties cost \$3.79 per package, and buns and rolls cost \$2.29 per package. What will it cost Ziggy to buy hot dogs, hamburgers, buns, and rolls for his cookout? **SHOW WORK ON ALL!**

#1, #2, #3 THINK LEAST COMMON MULTIPLE (LCM)