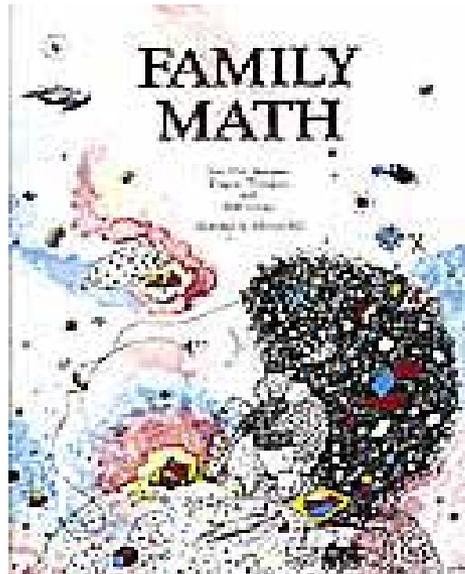


Let's DO Family Math Together



Presented by

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WHAT IS FAMILY MATH?

It's NOT a teacher standing in front and *Lecturing*.

It's using beans and buttons and pennies to solve math problems.

It's working and talking with others.

It's sorting things and learning about logic.

It's estimating and developing number sense.



It's parents and kids doing and learning math together.



It's exploring shapes and geometry.

It's doing activities and playing games.

It's organizing information in new ways.

It's finding out that calculators can free our minds for solving harder problems.

It's finding that **math** is a **TREASURE** we all can share!



New “Math” Names

First Name -

(Stays the same – **DEB**)

New Last Name –

Starts with the letter of your first name

“D” and ...

Must be a math term or concept -

DIGIT



**S A M P L E
FAMILY MATH
SESSION I**

<u>Time</u>	<u>Activity</u>	<u>Reference Page In Family Math</u>
7:00 p.m.	Name Tags – Write Your Own	284
	Sign In Sheets (Venn Diagram)	59
	Estimation Contest	
7:10 p.m.	Welcome & Introduction	
	Opener – Value of Words	33
7:20 p.m.	Double Digit	111
8:00 p.m.	Cookie Break	
8:10 p.m.	Create a Puzzle	187
	Useful Math Skills	271-273
8:20 p.m.	Evaluation	
8:30 p.m.	Closure	

Value of Words

How much is your name worth?

A 2 **F** 12

K 22

P 5

U 15

B 4 **G** 14

L 24

Q 7

V 17

C 6 **H** 16

M 26

R 9

W 19

D 8 **I** 18

N 1

S 11

X 21

E 10 **J** 20

O 3

T 13

Y 23

Z 25

Value of Words

PLEASE - Calculate the value of your *first name and “new” last name separately* using this pattern.

How much is your friend’s name worth?

Find a name with a value more than yours.

Find a name with a value less than yours.

In your class, whose name do you think is worth the most?

Can you find a word worth **exactly** \$1.00?

Value of Words

Why

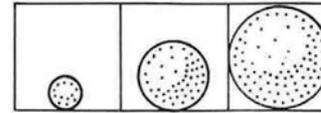
To practice mental arithmetic and estimation while problem-solving

How

- Assign values to the letters of the alphabet, as shown:
- Have each person in your family find the value of his or her first name.
- Add up the numbers without using paper and pencil if you can.
- What is the most expensive word each of you can find?
- Can you find a word worth exactly \$50? \$100?

More Ideas

- You and your child may want to make up different activities, such as:
 - Hold a week's contest to find the most expensive word.
 - Use penny values instead of dollars.
 - Find the difference between your first and last names.
 - Multiply the values instead of adding them.
 - Use fractional values, so that $A=1/26$, $B=2/26$, etc.

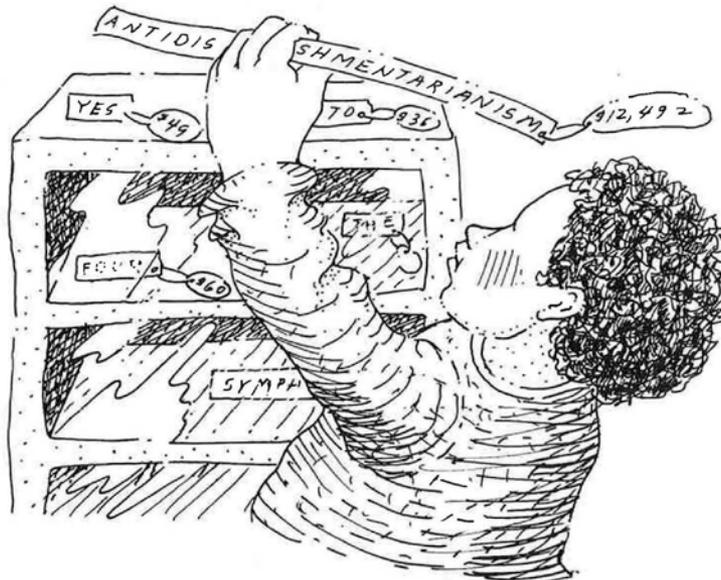


Grade Level

TOOLS

Pencil Paper

A = \$ 1	N = \$14
B = \$ 2	O = \$15
C = \$ 3	P = \$16
D = \$ 4	Q = \$17
E = \$ 5	R = \$18
F = \$ 6	S = \$19
G = \$ 7	T = \$20
H = \$ 8	U = \$21
I = \$ 9	V = \$22
J = \$10	W = \$23
K = \$11	X = \$24
L = \$12	Y = \$25
M = \$13	Z = \$26



Double Digit

Tens	Ones
1	
2	
3	
4	
5	
6	
7	
Total	

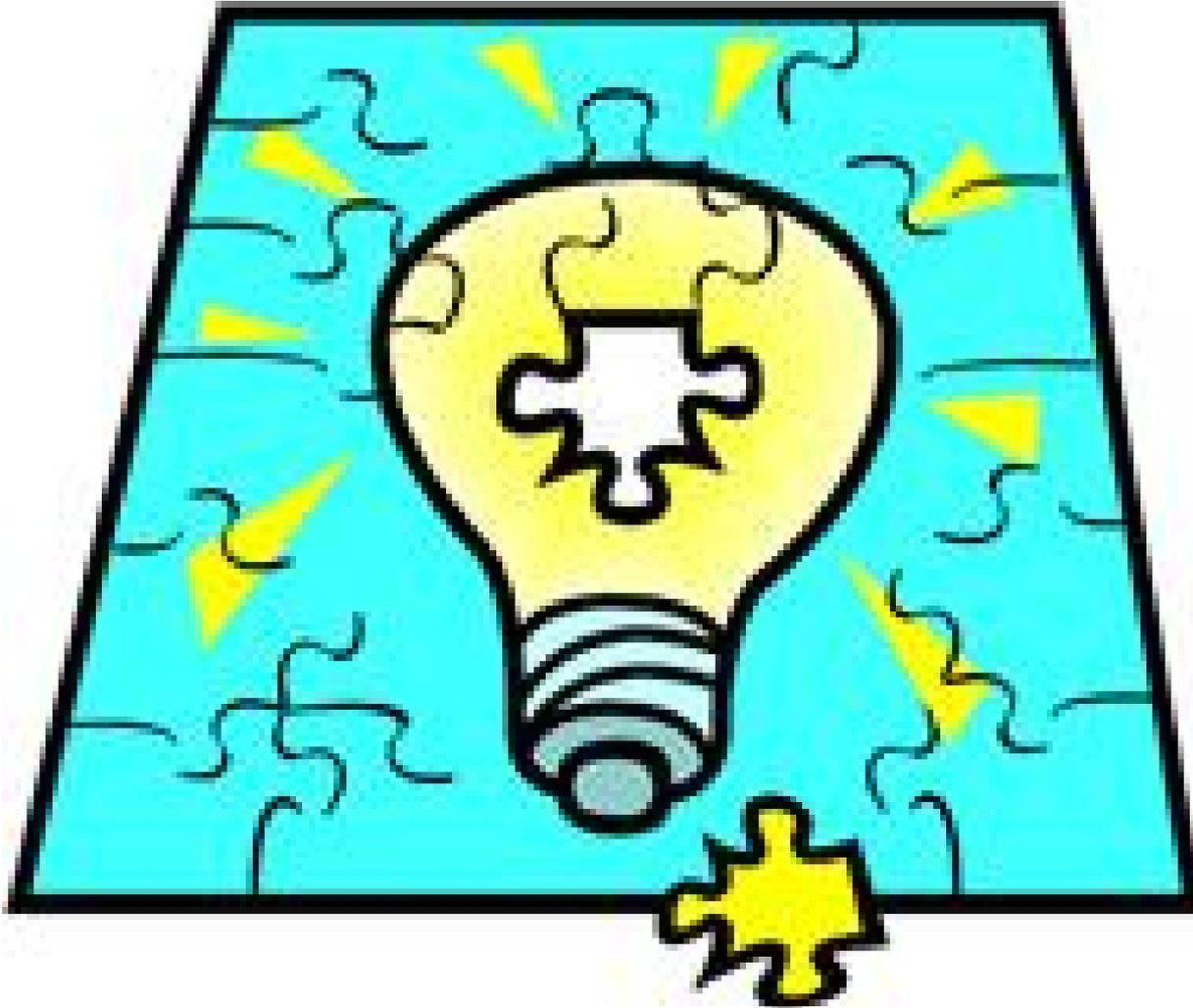
Double Digit

Deb

Pat

Tens	Ones	Tens	Ones
1	6	3	
2	1		2
3			
4			
5			
6			
7			
Total			

Create a Puzzle



MATH USED IN JOBS

Use Of	Rank	Percentage
Fractions		
Basic geometric concepts		
Calculators		
Formulas		
Decimals		
Averaging		
Ratio and proportion		
Estimation		
Per cent		
Statistical graphs		

MATH USED IN JOBS

Use Of	Rank	Percentage
Fractions		
Basic geometric concepts		
Calculators		
Formulas		
Decimals	1	100
Averaging		
Ratio and proportion		
Estimation		
Per cent		
Statistical graphs		

MATH USED IN JOBS

Use Of	Rank	Percentage
Fractions	<i>5</i>	<i>88</i>
Basic geometric concepts	<i>10</i>	<i>63</i>
Calculators	<i>2</i>	<i>98</i>
Formulas	<i>9</i>	<i>68</i>
Decimals	<i>1</i>	<i>100</i>
Averaging	<i>6</i>	<i>83</i>
Ratio and proportion	<i>7</i>	<i>77</i>
Estimation	<i>4</i>	<i>89</i>
Per cent	<i>3</i>	<i>97</i>
Statistical graphs	<i>8</i>	<i>74</i>

Resources

FAMILY MATH by Jean Kerr Stenmark, Virginia Thompson, and Ruth Cossey

Website: <http://www.lawrencehallofscience.org/equals/>

ABOUT TEACHING MATHEMATICS by Marilyn Burns

Other publications on Connecting Math and Literacy

Website: www.mathsolutions.com

Greg Tang Math

E- Math Books and Math Activities and Games (Free samples)

Website: www.gregtangmath.com