

Greenwich Parent Workshop

March 12, 2019

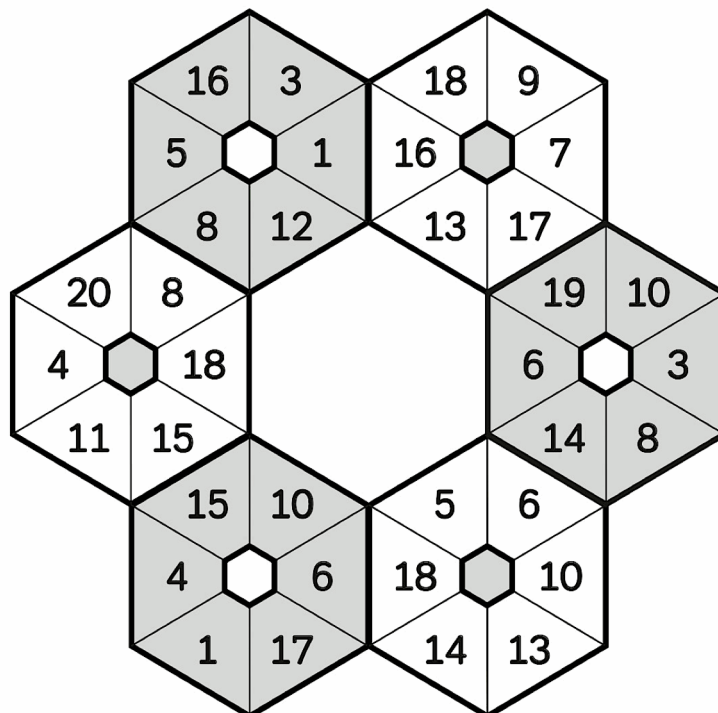
Greenwich, CT



Greg Tang's



Making Sense of Mathematics



Mental Math Challenge

Addition & Subtraction

1.

$$265 + 378$$

2.

$$486 + 296$$

3.

$$841 - 673$$

4.

$$754 - 387$$

Mental Math Challenge

Multiplication & Division

1.

$$3 \times 857$$

2.

$$846 \div 9$$

3.

$$5,184 \div 12$$

4.

$$758.7 \div 9$$

Name: _____

SQUARE

PACK

2

LEVEL

C

WEEK

3

In each puzzle, fill in the missing numbers so the white squares contain the digits 1-9, and the gray squares show the sum of each row and column.

8			13
	4		20
		5	12
16	12	17	

		3	14
	9		15
7			16
17	15	13	

		3	11
1			10
	8		24
10	19	16	

2			8
		6	23
	3		14
17	13	15	

Name: _____

PACK

3

LEVEL

C

WEEK

3

PICTARITHMS

Think "part, part, total" and solve!

$$\bigcirc + \bigcirc = 14$$

$$\bigcirc + \text{pentagon} + \square = 20$$

$$\text{pentagon} + \text{pentagon} + \square = 21$$

$$\text{pentagon} + \text{pentagon} + \text{pentagon} = \underline{\hspace{2cm}}$$

KAKOOMA

Advanced Level - Puzzle #2

Puzzled? In each 9-number square, find the number that is the sum of 2 other numbers. Use all 9 sums to create 1 final puzzle and solve.

14	20	13	14	18	22	23	9	24
15	12	11	23	10	12	7	25	10
8	18	17	19	21	25	4	8	6
25	10	23	1	4	6	13	2	25
14	3	8	17	20	12	4	19	5
12	21	5	9	25	2	22	7	10
12	17	18	25	8	4	7	9	8
23	13	14	9	10	11	24	12	6
15	19	7	24	18	23	22	21	11

a	b	c
d	e	f
g	h	i

Final
answer:

Flip side: a=24 b=19 c=23 d=22 e=7 f=20 g=25 h=8 i=13

Name: _____

PACK

3

LEVEL

B

WEEK

5

TANG-A-ROW

Fill in the blank spaces so that every equation is true,
using each number from the number bank once.

NUMBER BANK

1

2

3

4

5

6

7

8

x

$$\underline{\quad} \quad \underline{\quad} + \underline{\quad} = 15$$

$$\underline{9} \quad - \quad \underline{\quad} \quad - \quad \underline{\quad} = 0$$

$$\underline{\quad} + \underline{\quad} - \boxed{\quad} = 9$$

**WHAT NUMBER
AM I?**



Fill in the empty boxes to make every horizontal and vertical equation correct. Use the correct order of operations and read left to right and top to bottom. Use every number in the number bank once.

NUMBER BANK

2 3 4 5 6 7 8 9

	÷		+	7	=	
=		+		-		-
	-	1	+		=	6
×		=		=		÷
	÷	3	+	5	=	
-		+		×		=
	+	2	=	1	+	8

Fraction Word Problems

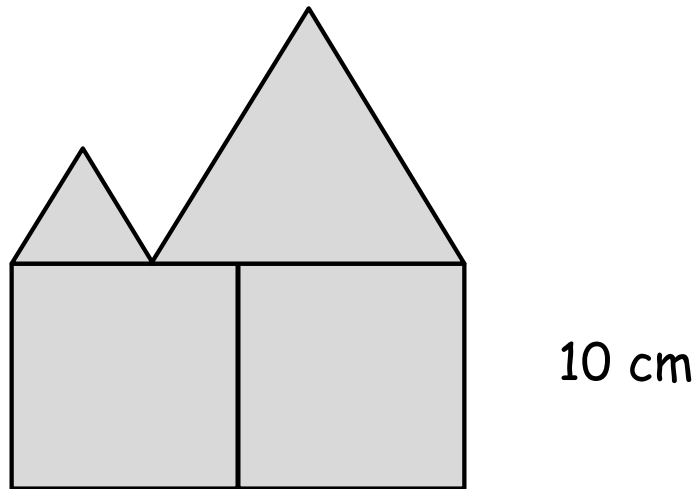
1. A group of students watched basketball practice. When the bell rang, $\frac{3}{4}$ of them went back to class. 12 students stayed to watch. How many students were there in all?
2. 30 second graders had a choice of 3 instruments to play. Half chose the drums and of the remaining kids, two-thirds chose the guitar and the rest chose the recorder. How many more students chose the drums than the recorder?
3. In a recent survey, $\frac{1}{6}$ of the respondents said they did not like their job. Of those who said they liked their job, $\frac{3}{4}$ or 15 people said they also liked their spouse. How many people took part in the survey?

Multiplicative Comparison Word Problems

1. Newman delivered twice as many letters as Cliff. After Cliff delivered 45 more letters, Cliff had delivered twice as many letters as Newman. How many letters did Newman deliver?
2. Louise has five times as much money as George. After George earns \$21, Louise has twice as much money as George. How much money does George have now?

Clever Reasoning Problem #2

The shaded figure below is composed of 2 equilateral triangles and 2 squares. Find the perimeter of the shaded figure.



Clever Reasoning Problem #2

Find the area of the figure below.

