

# Grade 3 going to Grade 4



## STEM Academy Summer Math Menu



### Internet Options

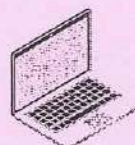
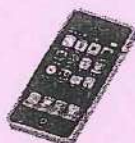
[www.greatangmath.com](http://www.greatangmath.com)

[www.xtramath.org](http://www.xtramath.org)

[www.prodigygame.com](http://www.prodigygame.com)

[www.pbskids.org/games](http://www.pbskids.org/games)

[www.khanacademy.org](http://www.khanacademy.org)



### Unplugged Options

#### FACT FLUENCY

Create FLASHCARDS using scrap paper OR buy FLASHCARDS at the Dollar Store.

Entering GrK: Count to 10, recognize numbers to 10

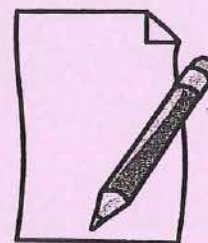
Entering Gr1: Addition combinations for sums of 10

Entering Gr2: Addition facts

Entering Gr3: Addition and Subtraction facts

Entering Gr4: Multiplication facts up to  $10 \times 10$

Entering Gr.5+: Multiplication and Division facts  $12 \times 12$



#### SUMMER MATH PUZZLES

Complete the summer math puzzles attached. Additional puzzles and information can be found on [www.greatangmath.com](http://www.greatangmath.com)

#### MATH BOOKS

Read a book about math! See suggested titles on back of menu.

#### PLAY A BOARD GAME

See suggested games that can be applied to mathematics on back of menu.





# STEM Academy Summer Math Menu

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## *Unplugged Suggestions*

### MATH BOOKS

Here are a few titles. There are MANY others, too!

*The Very Hungry Caterpillar* by Eric Carle  
*Out for the Count* by Kathryn Cave  
*Pattern Fish* by Trudy Harris  
*Rooster's Off to See the World* by Eric Carle  
*The Greedy Triangle* by Marilyn Burns  
*Math Curse* by Jon Scieszka and Lane Smith  
*How Much is a Million* by David Schwartz  
*The Grapes of Math* by Greg Tang  
*Math Potatoes* by Greg Tang

### BOARD GAMES

Prime Climb; Yahtzee; Candyland; Mancala; UNO; Legos;  
Sum Swamp; Sumoku; Monopoly;  
Chutes and Ladders; Sorry; Knex; Pay Day; LIFE;  
Head Full of Numbers; Loose Change;  
Connect 4; Trouble; Checkers; Chess; Quirkle; etc.



**Entering grade**    K   1   2   3   4   5   6   7   8   (circle one)

- During the summer, practice grade level Math facts (counting skills for new kindergarteners). Complete the Fact Fluency graph below to record your fact practice sessions.
- Enjoy fun games, books, and activities to strengthen your Math skills and help your brain grow. Be sure to record those activities in the Math Activity Log.
- Return this completed sheet to your new teacher for a school reward and a chance to represent your school at a televised Lowell School Committee "Spotlight on Excellence" Night.

**My goal:** \_\_\_\_\_ sessions

Shade a box each time you spend 5-10 minutes practicing Math facts this summer.

[illegible]

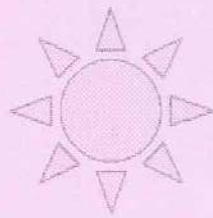
**Record internet Math practice, Math games, Math books, or other Math activities you complete.**

[illegible]

**Parent/Guardian Signature:**







# Greg Tang's Summer Math Fun!

Summertime!

Play  
Coin  
Bubble

Play  
Minus  
Mania

Play  
Espresso  
Expert  
(+ -)



Read  
Best of Times

Play  
Break Apart  
(x)  
(all levels)

Complete  
Tangy  
Tuesday  
Puzzle Pack

Play  
NumTanga  
Level 2, 3, & 4

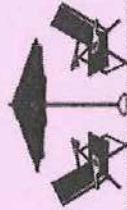


Play  
How Much  
How Many



Play Satisfraction  
Identify  
(easy level)

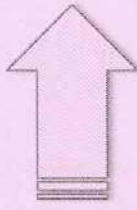
Play  
Missing (x)  
Combo  
(easy level)



Play  
Kakooma  
Play + & x

1 prize entry  
per level!

Go to level 5!



- Find games and activities at [www.GregTangMath.com](http://www.GregTangMath.com)
- Play each game for 15 minutes
- Try to complete each level with no errors
- Play the harder levels if activities are too easy
- Move to the previous game board if you get stuck
- Get help from an adult or family member
- Sign up to win prizes for each level you complete

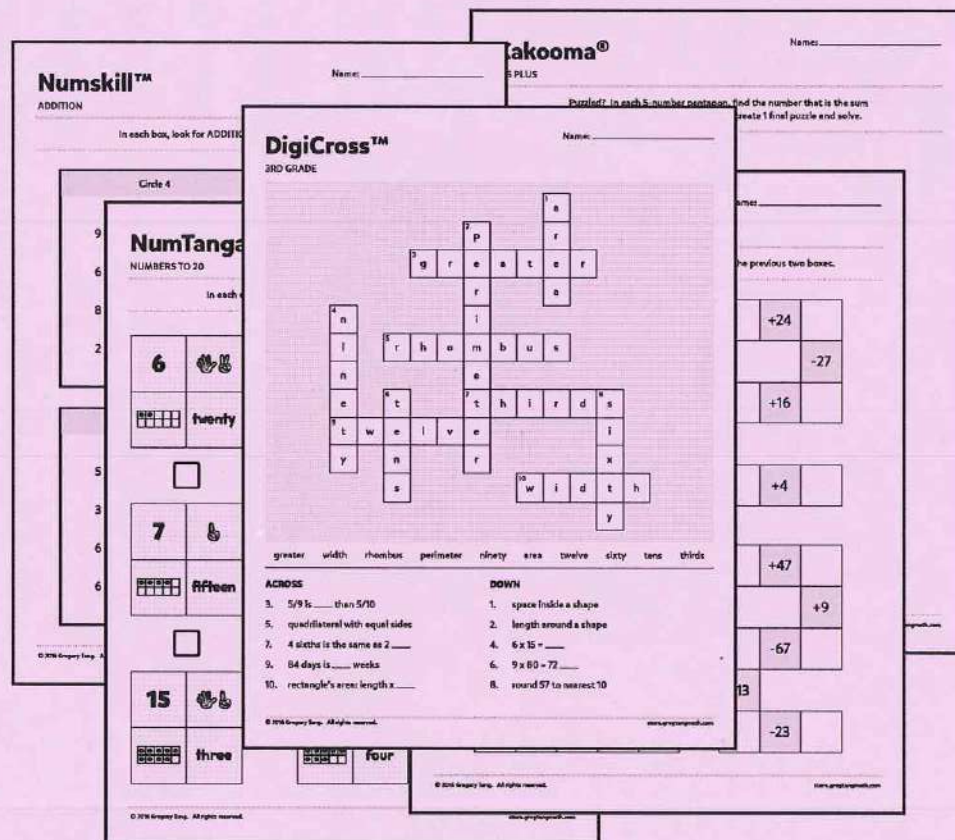
Level 4 Game Board

[www.GregTangMath.com](http://www.GregTangMath.com)



# TANGY TUESDAY PUZZLE PACK

Fun brain puzzles that make you smarter!



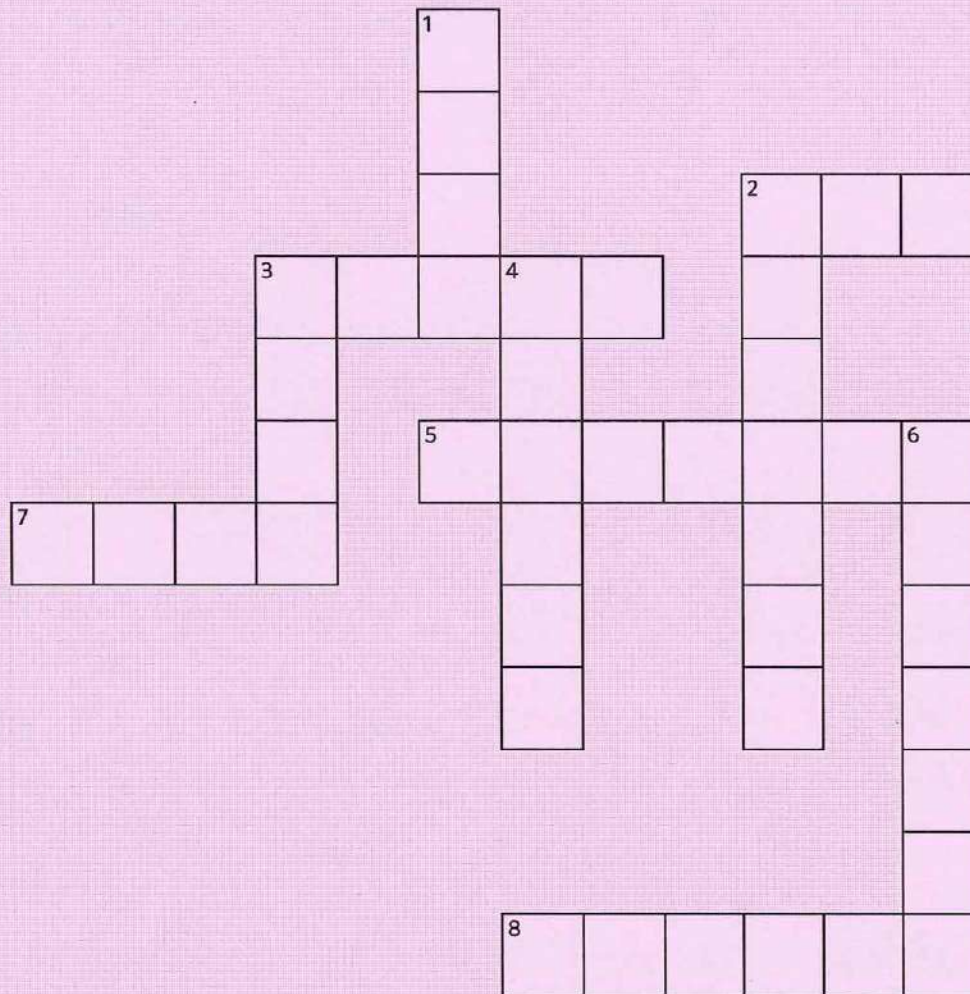
Math Centers  
Teaching Activities  
Homework  
Early Finishers  
Fun Reward Games

Created by

**GREG TANG MATH**

store.gregtangmath.com

**GRADE  
3**



forty sixteen nine thirty six twenty eighths seventy five four

## ACROSS

2. 56 is closest to \_\_\_\_ tens
3.  $1:55 + 1:45 = 3 \text{ hours} + \text{ ____ minutes}$
5.  $8 \text{ ____} = 1$
7.  $3 \times 90 = 3 \times \text{ ____ tens}$
8.  $588 - 265 = 300 + \text{ ____} + 3$

## DOWN

1. 4 groups of 7 = 7 groups of \_\_\_\_
2. perimeter of rectangle with sides 3 and 5
3. 25 divided into 5 equal groups
4. 5 groups with 6 in each group
6.  $133 + 241 = 300 + \text{ ____} + 4$



# Snake

3.1.10

Name: \_\_\_\_\_

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Fill in each blank box in order, combining the numbers from the previous two boxes.

65		-1				-22	
+14		-51		-12		+16	-30
-44		+63		+37		-23	+18
	-20				+47		57

1	+59			-12		+33	
		-47		-9			-53
	+14					+62	
+64				+40		-53	
	-83		+7			+24	47



# NumTanga™

3.1.10

Name: \_\_\_\_\_

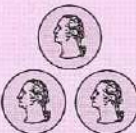
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In each empty box, write the matching value between adjacent cards.

<b>\$.75</b>	<b>30¢</b>
	<b>dime</b>


<b>\$.07</b>	<b>10¢</b>
	<b>fifteen cents</b>

<b>\$.40</b>	<b>50¢</b>
	<b>dollar</b>

<b>\$.20</b>	<b>1¢</b>
	<b>fifty cents</b>

<b>\$.15</b>	<b>20¢</b>
	<b>seventy five cents</b>

<b>\$.02</b>	<b>7¢</b>
	<b>thirty cents</b>

<b>\$.10</b>	<b>25¢</b>
	<b>two cents</b>

<b>\$.05</b>	<b>75¢</b>
	<b>seven cents</b>

<b>\$.50</b>	<b>15¢</b>
	<b>nickel</b>

# Kakooma® Plus

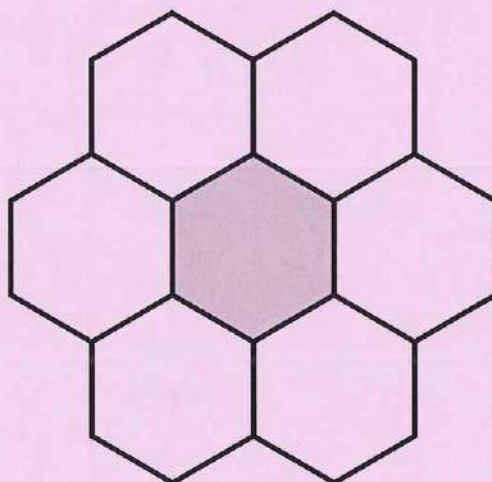
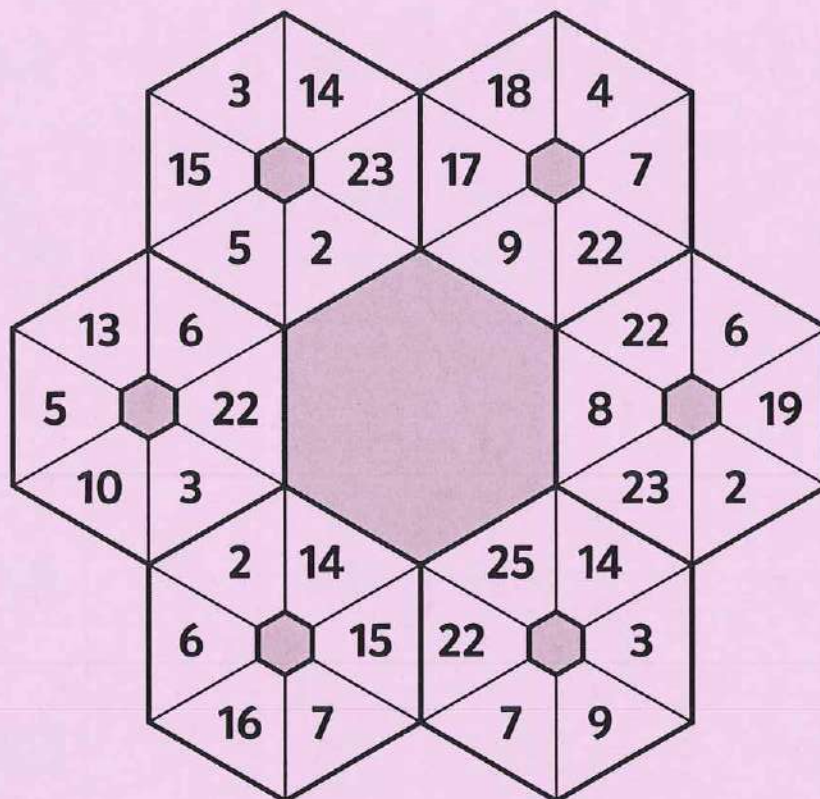
3.1.10

Name: \_\_\_\_\_

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Puzzled? In each 6-number hexagon, find the number that is the sum of 2 other numbers. Use all 6 sums to create 1 final puzzle and solve.



Final  
answer:



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

3	-		=		-	
=		=		=		-
	-	5	=		-	
-		-		-		+
1	=	4	+		-	6
-		+		+		=
	+	1	+	2	=	8

