

Grade 4 going to Grade 5



STEM Academy Summer Math Menu



Internet Options

www.gregtangmath.com

www.xtramath.org

www.prodigygame.com

www.pbskids.org/games

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

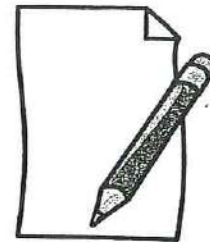
Entering Gr1: Addition combinations for sums of 10

Entering Gr2: Addition facts

Entering Gr3: Addition and Subtraction facts

Entering Gr4: Multiplication facts up to 10×10

Entering Gr.5+: Multiplication and Division facts 12×12



SUMMER MATH PUZZLES

Complete the summer math puzzles attached. Additional puzzles and information can be found on www.gregtangmath.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



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.

Name: _____

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

DIRECTIONS:

- 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.

Suggested Goal: 30 ten-minute sessions (fact fluency + other activities)

My goal: _____ sessions

FACT FLUENCY GRAPH

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

June

[illegible]

July

[illegible]

August

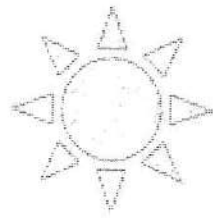
[illegible]

MATH ACTIVITY LOG

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


[illegible]

Parent/Guardian Signature:




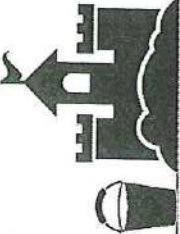
Greg Tang's Summer Math Fun!

Summertime!

Play Coin Bubble	
Play Minus Mania	
Play Expresso 3-numbers (+ - x ÷)	Play How Much How Many

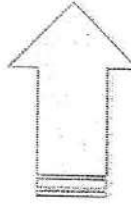
Play Satis- Fraction Compare (all levels)	Play NumTanga Level 5 & 6	Play BreakApart (÷) Partitive
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Read & Play Math Potatoes		Complete Tangy Tuesday Puzzle Pack
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Play Missing (÷) Combo (easy level)		Play Kakooma Play + & x
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1 prize entry
per level!

Go to level 6!

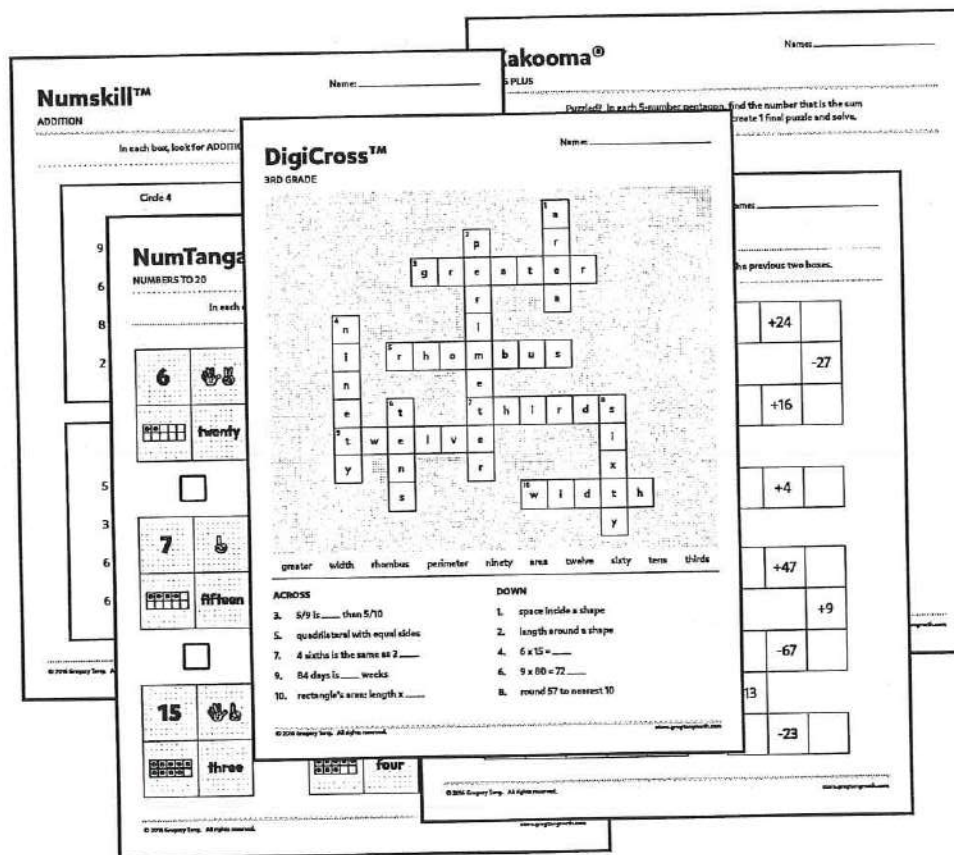


- Find games and activities at www.GregTangMath.com
- Play each game for 15 minutes
- Try to complete each level with no errors
- Play the harder levels if activities are too easy
- Move to the previous game board if you get stuck
- Get help from an adult or family member
- Sign up to win prizes for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

Level 5 Game Board
www.GregTangMath.com

TANGY TUESDAY PUZZLE PACK

Fun brain puzzles that make you smarter!



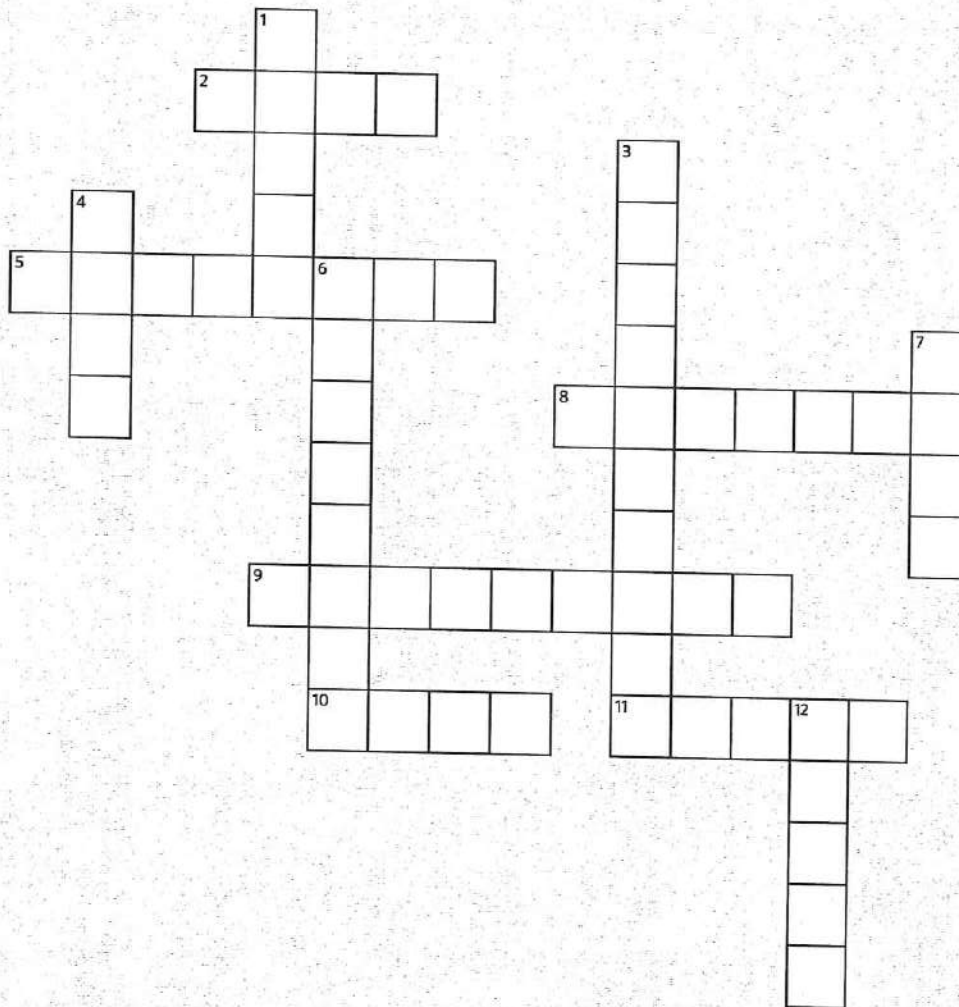
Math Centers
Teaching Activities
Homework
Early Finishers
Fun Reward Games

Created by

GREG TANG MATH

store.gregtangmath.com

GRADE
4



five eighteen perimeter hundredths greater nine eight four true sixty three fourteen

ACROSS

2. 9 tenths - 4 tenths = ____ tenths
5. $126 \div 9$
8. $5/7$ is ____ than $3/8$
9. the distance around a shape
10. $81 \div 12$ has remainder ____
11. $6 \times 417 = 2,400 + ___ + 42$

DOWN

1. 96 is ____ times as much as 12
3. .08 = eight ____
4. "quart" in quarter and quartet
6. 72 is a multiple of ____
7. $4,990 + 2,010 = 7,000$
12. 3,489 is closest to ____ thousands

Snake

4.1.10

Name: _____

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

6	+3		$\times 10$		-80		$\times \frac{1}{2}$	
								+4
	+3		$\times \frac{1}{5}$		-47		$\times 8$	
$\times 7$								
	-2		$\times \frac{1}{6}$		+1		$\times 7$	70

70		+4			+49	
$\times \frac{1}{7}$		$\times \frac{1}{4}$		$\times 9$	$\times 3$	$\times \frac{1}{8}$
$\times 8$		$\times 2$		-18	-4	-3
	$\times \frac{1}{10}$			$\times \frac{1}{6}$		5

NumTanga™

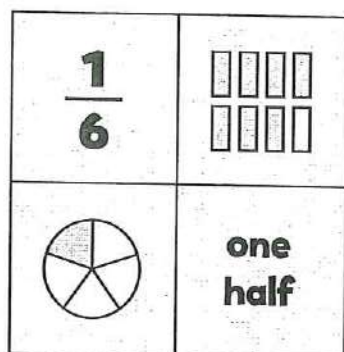
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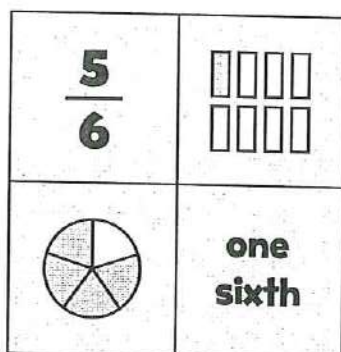
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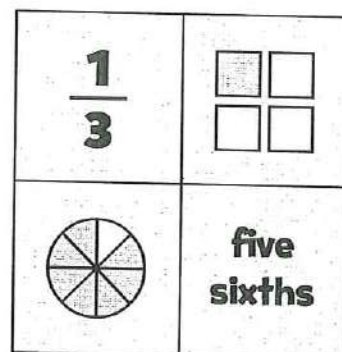
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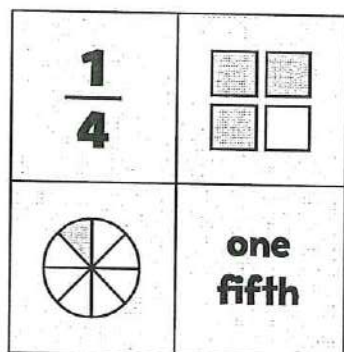
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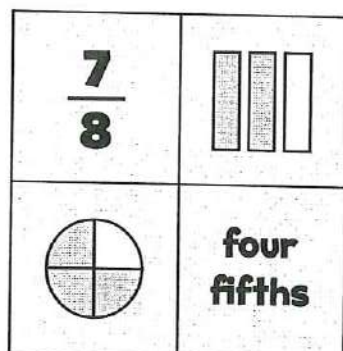
In each empty box, write the matching value between adjacent cards.

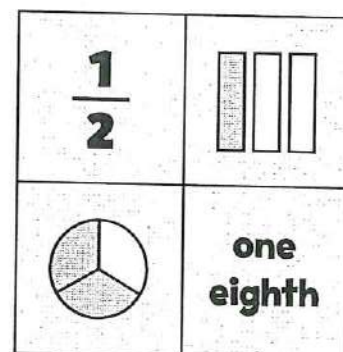


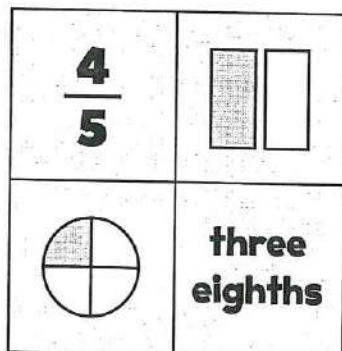


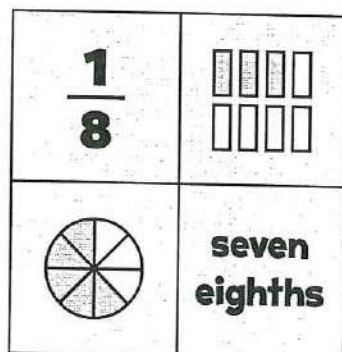


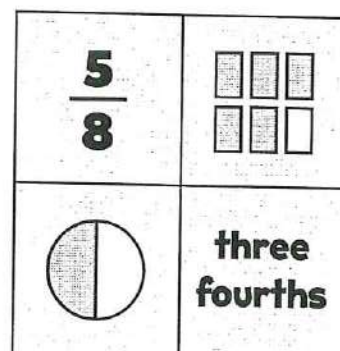












Kakooma® Times

4.1.10

Name: _____

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Puzzled? In each 8-number square, find the number that is the product of 2 other numbers. Use all 8 products to create 1 final addition puzzle and solve.

4	63	8	5	63	7	7	45	3
6		32	90		6	40		6
50	60	35	14	35	24	8	30	21
8	6	50	X			24	63	8
2		60				72		32
18	4	56				9	28	6
5	40	20	6	10	70	4	6	45
24		8	35		7	90		54
90	63	6	36	24	18	7	28	80

	+	



Final
answer:

Equato™

4.1.10

Name: _____

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

