Greg Tang's 6th Grade Halloween Math Challenge

Name _____

Parent Signature _____

START

Instructions:

1. Go to: **gregtangmath.com**
2. Click the buttons at the top to go to Books and Games.
3. Mark off each square on the game board as you complete the activity.
4. Try to get to the finish line by November 1st!

FINISH

Play NumTanga Level 4, 5, & 6 for 10 minutes					Try to beat How Much How Many
Play Place Value Whole Numbers 3-place hard for 10 minutes			Play Minus Mania (Play Mode) for 10 minutes	Play Expresso 4 Basic + - x ÷ for 10 minutes	Play Kakooma (Play x) for 10 minutes
Complete The attached Halloween Puzzle Pack	Read The Grapes of Math	Play Missing Multiply, Combo (hard level) for 10 minutes	Play SatisFraction Compare All for 10 minutes		

Notes:

- Have someone older, like Mom or Dad, help if you need it.
- If the games are too easy, move to a harder level!

TANGY TUESDAY PUZZLE PACK!

Fun brain puzzles that make you smarter!

GRADE 6

Halloween
tangmath.com

Bonus Pack

WORD SEARCH

TANGY TUESDAY PUZZLE PACK
5.1.8

Name: _____

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Spell your answers, then search for them below.
Hidden words are spelled left to right and top to bottom.

one ten seven greater sixty twelfth second three eighteen

10^2 means 10 to the ___ power ____ ____ ____ ____ ____ ____

.1 ÷ ___ = .01 ____ ____ ____

1.8 = ___ tenths ____ ____ ____ ____ ____ ____ ____ ____

357 ÷ 17 = twenty-___ ____ ____ ____

1/3 + 1/6 = ___ sixths ____ ____ ____ ____ ____

3/4 of 80 ____ ____ ____ ____ ____

1/4 ÷ 3 = one ___ ____ ____ ____ ____ ____ ____ ____

11/10 x 50 is ___ than 50 ____ ____ ____ ____ ____ ____ ____

420 minutes = ___ hours ____ ____ ____ ____ ____

t	w	e	l	f	t	h	o
t	s	i	x	t	y	j	i
n	s	g	y	m	s	a	u
o	t	h	r	e	e	y	s
w	y	t	a	b	o	v	e
b	s	e	c	o	n	d	v
g	r	e	a	t	e	r	e
n	b	n	c	b	t	e	n

SNAKE

TANGY TUESDAY PUZZLE PACK
5.1.9

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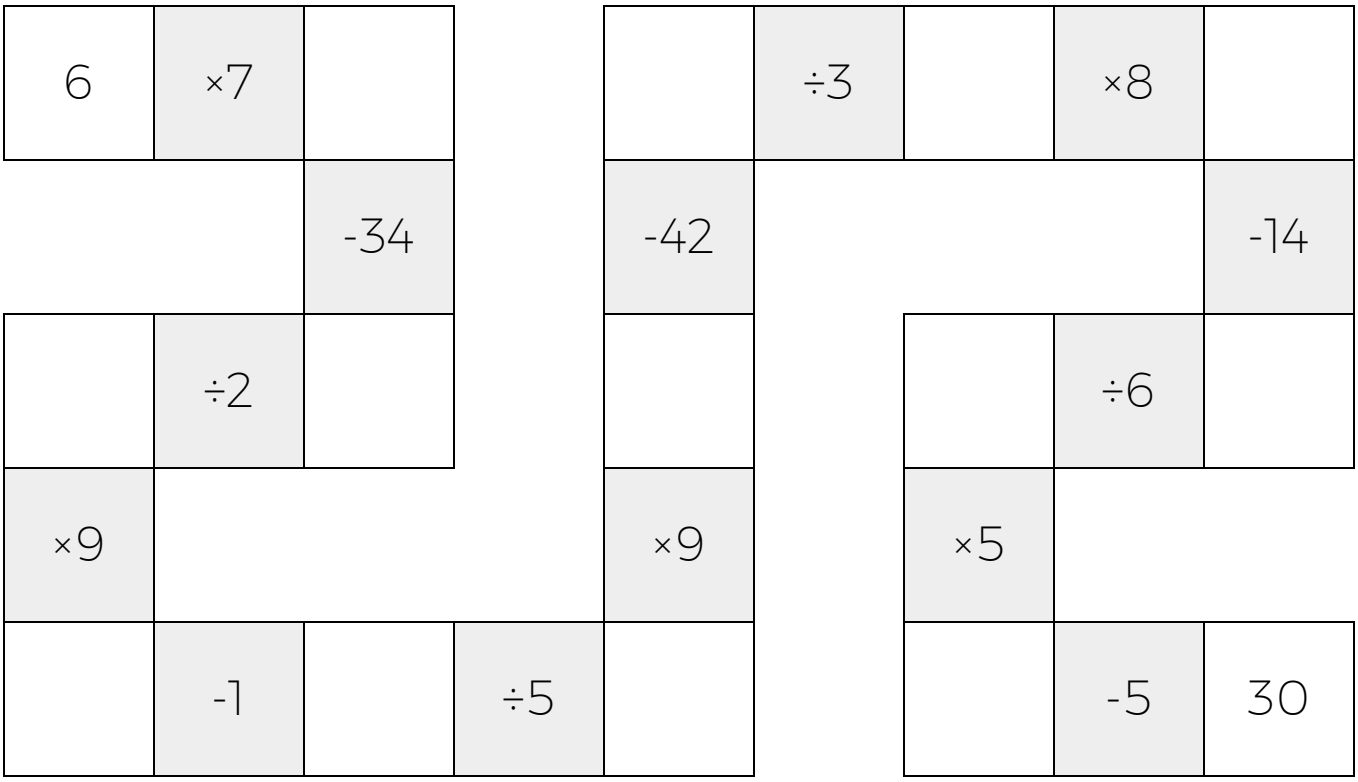
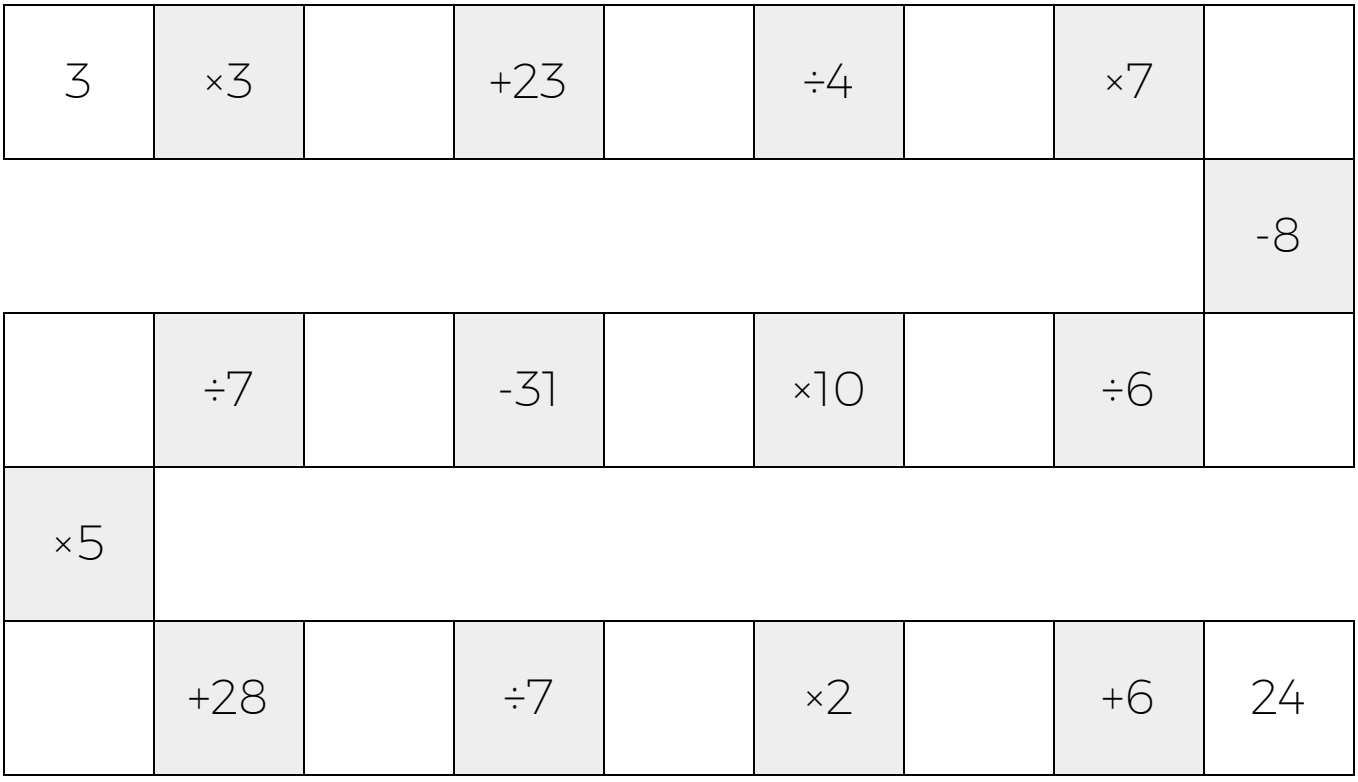
Fill in each blank box in order, combining the numbers from the previous two boxes.





NUMTANGA

TANGY TUESDAY PUZZLE PACK
5.1.9

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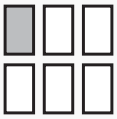
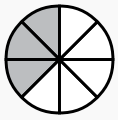
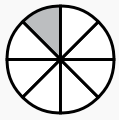
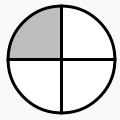
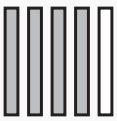
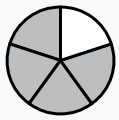
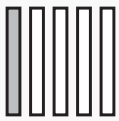
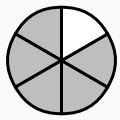
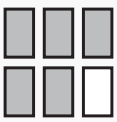
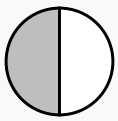
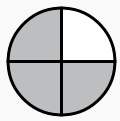
In each empty box, write the matching value between adjacent cards.

$\frac{3}{4}$   one third		$\frac{1}{4}$  one fifth		$\frac{4}{5}$  three eighths
$\frac{1}{5}$  five eighths		$\frac{5}{6}$  one sixth		$\frac{3}{8}$   two thirds
$\frac{5}{8}$   three fourths		$\frac{1}{6}$ one half		$\frac{7}{8}$  four fifths

MAZE

TANGY TUESDAY PUZZLE PACK
5.1.8

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Find a path through the maze from top to bottom.
Draw a circle around the problem if the answer is a factor of 12.

8 x 50 - 393	3 x 16 - 43	4 x 11 - 41	45 - 5 x 7	238 - 10 x 23
3 x 20 - 50	60 - 6 x 8	87 - 9 x 9	21 x 4 - 75	11 x 12 - 123
6 x 30 - 174	50 - 6 x 8	10 x 9 - 85	7 x 11 - 69	6 x 50 - 293
33 - 3 x 10	71 - 9 x 7	140 - 13 x 10	86 - 7 x 11	6 x 50 - 293
11 x 11 - 109	8 x 50 - 390	129 - 6 x 20	10 x 5 - 42	71 - 9 x 7
184 - 10 x 18	140 - 13 x 10	129 - 6 x 20	4 x 7 - 21	21 x 4 - 75
3 x 9 - 15	59 - 7 x 8	238 - 10 x 23	8 x 50 - 393	42 - 7 x 5
3 x 6 - 8	10 x 30 - 296	40 - 4 x 9	5 x 12 - 58	8 x 12 - 92
3 x 20 - 50	10 x 9 - 85	6 x 50 - 293	11 x 8 - 79	51 - 9 x 5
4 x 7 - 21	129 - 6 x 20	289 - 40 x 7	108 - 9 x 11	10 x 8 - 78

EQUATO

TANGY TUESDAY PUZZLE PACK
5.1.9

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Fill in the empty boxes to make every horizontal and vertical equation correct.
Read equations left to right and top to bottom. Use every number in the bank once.

1 2 3 4 5 6 7 8 9

	−	6	=	8	−	2	−	3
×		+		÷		+		=
	×	7	−		+		=	8
−		−		−		+		+
5	+		×	1	−	4	=	
−		+		=		−		−
3	−		+	9	−	6	=	4
=		=		−		=		×
1	+	9	−		=	5	−	