Name:_____

TANGY TUESDAY™		
PACK	LEVEL	WEEK
1	E	12

Step-by-step examples at tangmath.com/puzzles

TANGY TUESDAY

Pack 1

DigiCross · Snake · NumTanga · Kakooma · Equato

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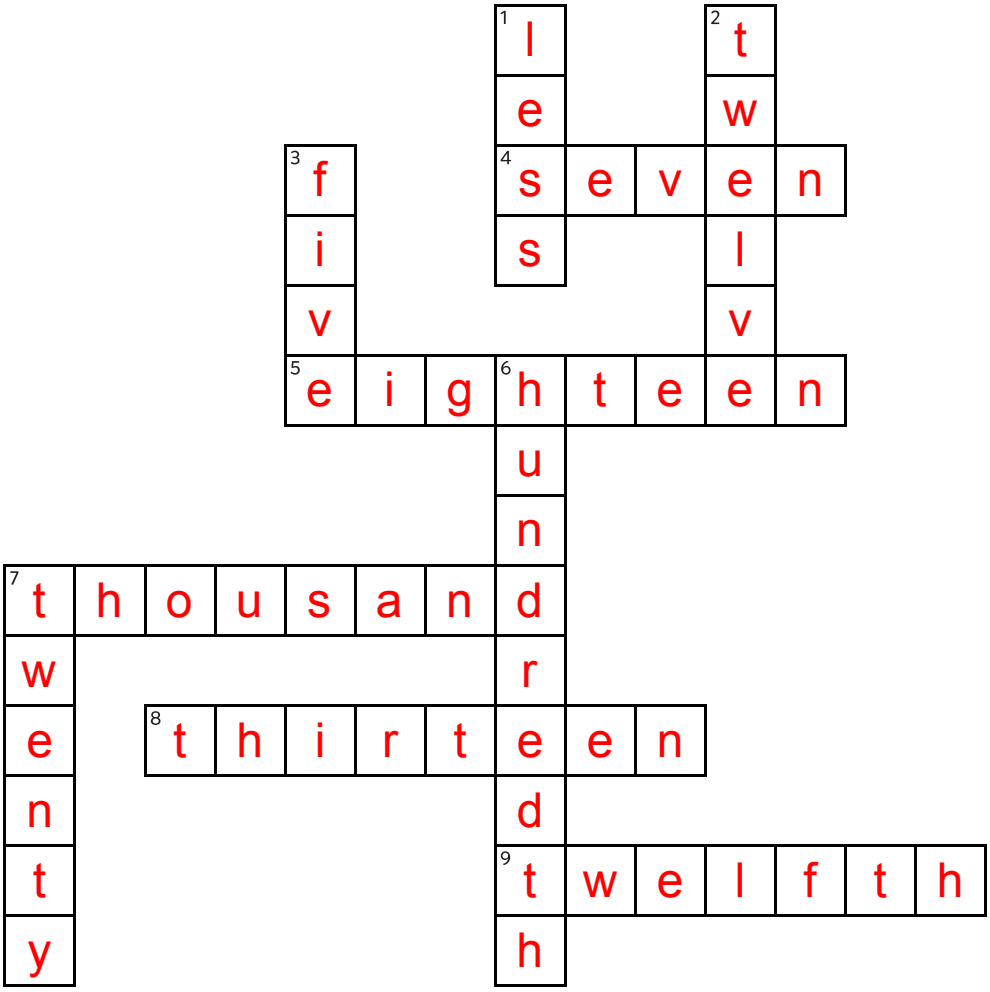
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DIGICROSS

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TANGY TUESDAY™		
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Complete the crossword by filling in a word that fits each clue.



ACROSS

4. 1/3 ÷ ___ = 1/21
5. 1.76 is closest to ___ tenths
7. 5 x 10 to the 3rd = 5 ___
8. 1/2 + 3/7 = ___ fourteenths
9. 1/3 of 1/4 = 1 ___

DOWN

1. 9/10 x 7/8 is ___ than 9/10
2. 372 ÷ 31 = ___
3. 1.25 - .75 = ___ tenths
6. 18 is one ___ of 1800
7. 8 + 3 x (6 - 2)

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SNAKE

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Fill each empty box, in order, combining the numbers from the previous 2 boxes.

4		8	$\times \frac{1}{2}$	4		16	$\times \frac{1}{4}$	4
×2		-4		×5		+0		×2
8		12		20		16		8
+1		×4		-4		×4		+0
9	$\times \frac{1}{3}$	3		16	$\times \frac{1}{4}$	4		8

3	×5	15	-9	6	$\times \frac{1}{2}$	3	×4	12
								+4
2	$\times \frac{1}{2}$	4	-16	20	×5	4	$\times \frac{1}{4}$	16
×5								
10	+2	12	$\times \frac{1}{3}$	4	×2	8	-2	6

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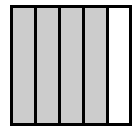
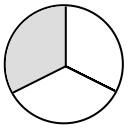
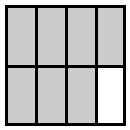
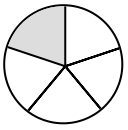
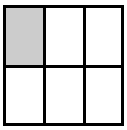
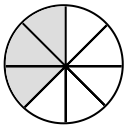
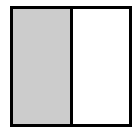
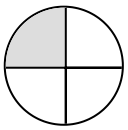
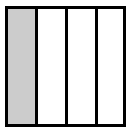
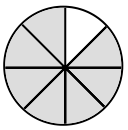
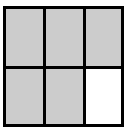
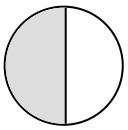
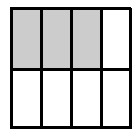
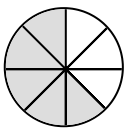
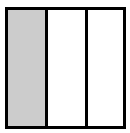
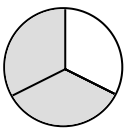
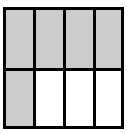
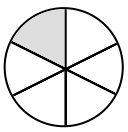
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NUMTANGA

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PACK	LEVEL	WEEK
1	E	12

To solve the puzzle, here's what to do. Cross off the numbers that fit each clue.
With clever sleuth-work, when you're done, you'll be left with only one!

$\frac{1}{5}$   five eighths	$\frac{1}{6}$   one half	$\frac{3}{4}$   one third
$\frac{1}{5}$	$\frac{1}{6}$	$\frac{3}{4}$
$\frac{4}{5}$	$\frac{7}{8}$	$\frac{3}{4}$
$\frac{4}{5}$   three eighths	$\frac{1}{3}$   five sixths	$\frac{5}{8}$   three fourths
$\frac{1}{4}$	$\frac{5}{6}$	$\frac{5}{8}$
$\frac{3}{8}$	$\frac{1}{3}$	$\frac{5}{8}$
$\frac{1}{8}$   seven eighths	$\frac{1}{2}$   one eighth	$\frac{2}{3}$   one fourth
$\frac{1}{8}$	$\frac{2}{3}$	

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KAKOOMA®

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In each group, circle the one number that is the sum of two other numbers.
Write the circled numbers in the final puzzle and solve.

16	12	15	16	4	15	10	25	4
24	+	14	25	+	6	12	+	9
25	22	11	2	3	24	1	18	23
5	17	7				14	11	2
8	+	1				15	+	23
11	23	20				10	6	20
23	4	25	12	15	8	22	18	16
16	+	18	13	+	19	23	+	4
13	24	19	14	17	11	25	17	11

Final Puzzle

25	6	10
8	+	20
23	19	22

Final Answer

25

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EQUATO

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Use each number once to complete the equations. Read equations left to right and top to bottom, but be sure to use the correct order of operations!

NUMBER BANK

1 2 3 4 5 6 7 8 9

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

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