

Name: _____

TANGY TUESDAY™

PACK	LEVEL	WEEK
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1	D	31
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Step-by-step examples at tangmath.com/tutorials



TANGY TUESDAY

Pack 1

DigiCross · Snake · NumTanga · Kakooma · Equato

Name: _____

DIGICROSS

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

ACROSS

- $1107 \div 9 = 100 + \underline{\quad} + 3$
- $3/10 + 9/100 = 39 \underline{\quad}$
- 105th digit in pattern 12341234...
- $3/17$ is $\underline{\quad}$ than $6/35$
- $1 \frac{1}{6} - 5/6 = 1 \underline{\quad}$

DOWN

- $4 \times 1,215 = 4,000 + 800 + \underline{\quad}$
- $6,286 - 465 = 6,486 - 365 \underline{\quad}$
- 700,000 is 100 times 7 $\underline{\quad}$
- $1/2$ is one $\underline{\quad}$ as much as 8
- 16 has $\underline{\quad}$ factors

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SNAKE

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

10	×2	20	+5	25	× $\frac{1}{5}$	5	×9	45
								-13
8	× $\frac{1}{6}$	48	-32	80	×10	8	× $\frac{1}{4}$	32
×2								
16	+24	40	× $\frac{1}{5}$	8	×9	72	-42	30

5		70	× $\frac{1}{10}$	7		72	× $\frac{1}{8}$	9
×4		+28		×7		+54		×5
20		42		49		18		45
+1		×6		-19		×3		-31
21	× $\frac{1}{3}$	7		30	× $\frac{1}{5}$	6		14

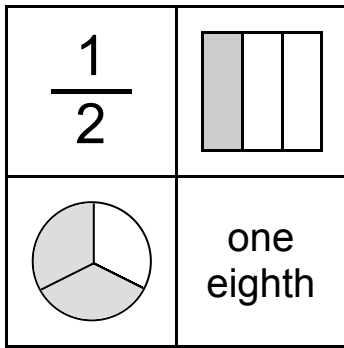
Name: _____

NUMTANGA

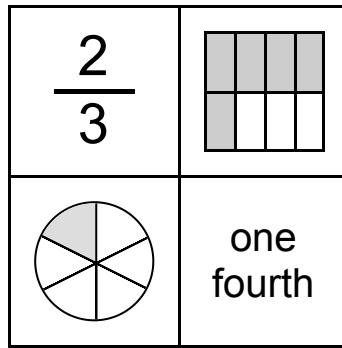
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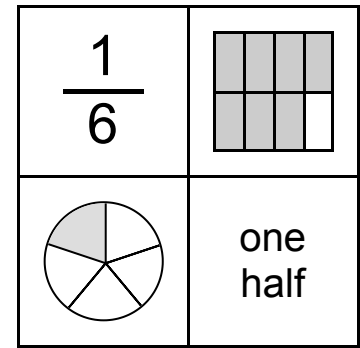
In each empty box, write the matching value between adjacent cards.



$\frac{2}{3}$



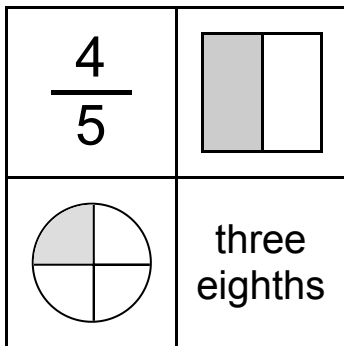
$\frac{1}{6}$



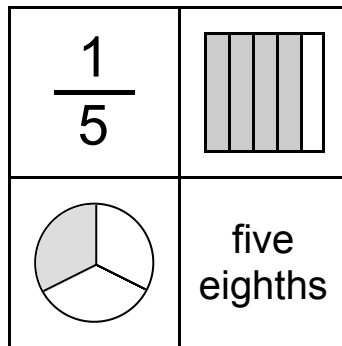
$\frac{1}{2}$

$\frac{5}{8}$

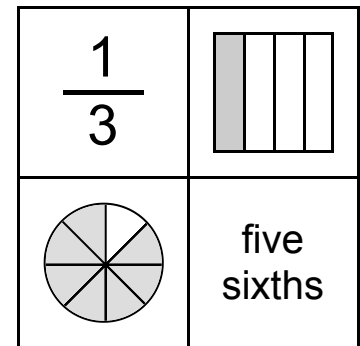
$\frac{7}{8}$



$\frac{4}{5}$



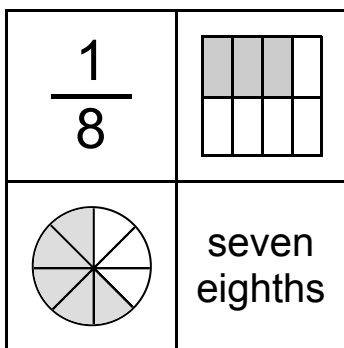
$\frac{1}{3}$



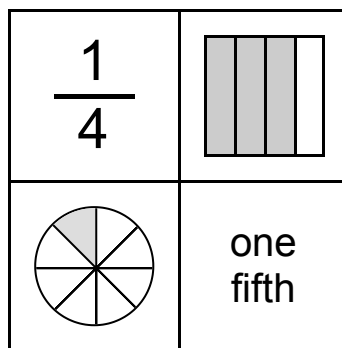
$\frac{3}{8}$

$\frac{1}{5}$

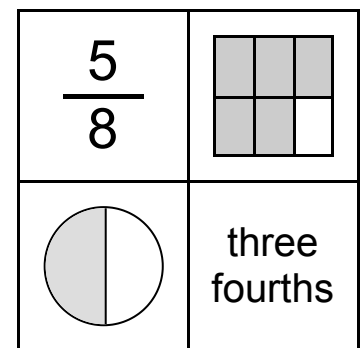
$\frac{5}{6}$



$\frac{1}{8}$



$\frac{3}{4}$



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KAKOOMA

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

14	70	12	10	5	15	10	4	27
54	×	7	8	×	9	8	×	32
9	3	27	40	48	27	21	90	20
15	24	4				35	54	8
3	×	40				80	×	10
8	14	20				36	40	12
9	32	10	32	8	9	90	7	80
48	×	42	14	×	2	60	×	24
63	90	8	30	72	90	3	21	40

Final Puzzle

27	40	32
24	+	80
90	72	21

Final Answer

72

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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.

NUMBER BANK

1 2 3 4 5 6 7 8

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