

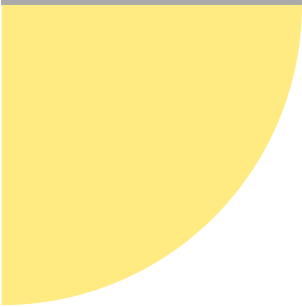
Name: _____

TANGY TUESDAY™

| PACK | LEVEL | WEEK |
|------|-------|------|
|------|-------|------|

| | | |
|---|---|----|
| 1 | D | 11 |
|---|---|----|

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



TANGY TUESDAY

Pack 1

DigiCross · Snake · NumTanga · Kakooma · Equato

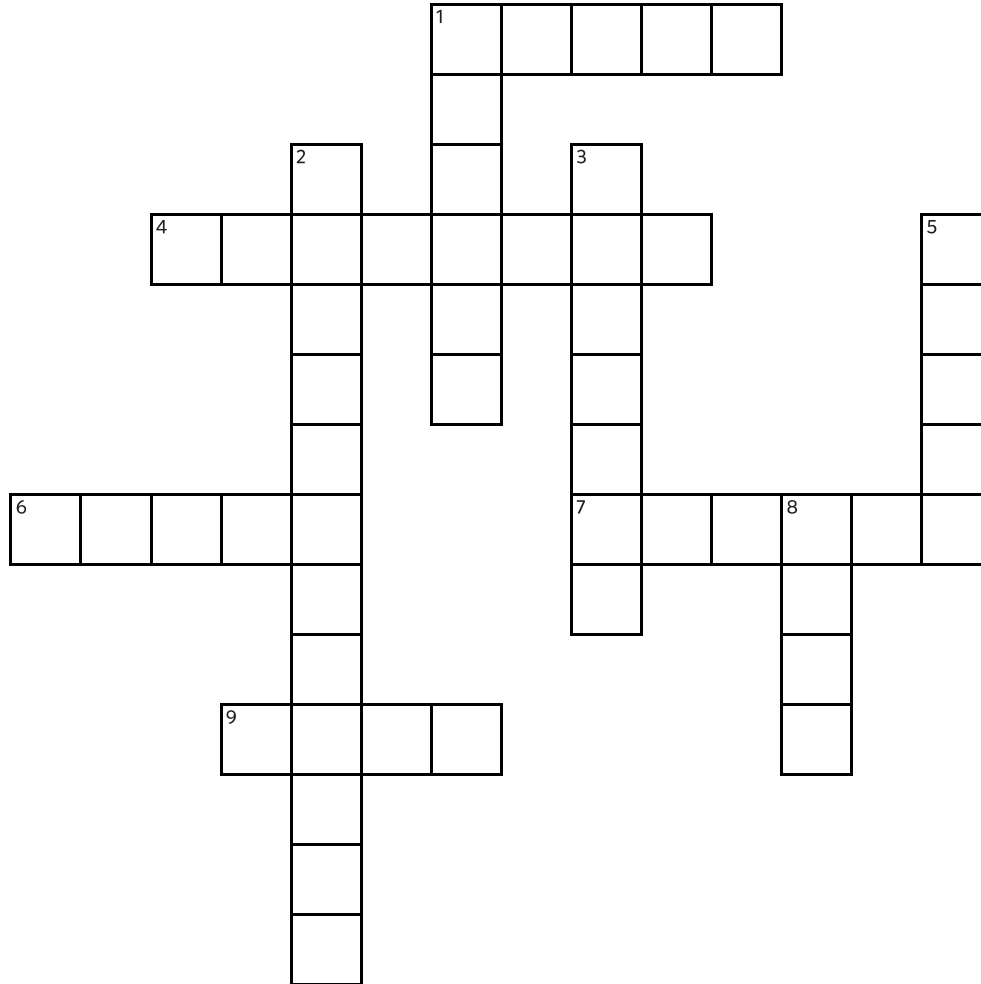
Name: _____

DIGICROSS

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

| PACK | LEVEL | WEEK |
|------|-------|------|
| 1 | D | 11 |

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



ACROSS

- .5 = ___ hundredths
- $143 \div 11$
- $15 \times 8 = 80 + \underline{\quad}$
- $6 \times \frac{2}{10} = \underline{\quad}$ tenths
- $249 \div 12$ has remainder ___

DOWN

- 16 is a ___ of 80
- 9847 is closest to ___ hundreds
- 16 is one ___ as much as 112
- $6000 - 4002 > 2000$
- $\frac{6}{7}$ is ___ than $\frac{7}{6}$

Name: _____

TANGY TUESDAY™

SNAKE

| PACK | LEVEL | WEEK |
|------|-------|------|
| 1 | D | 11 |

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

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

| | | | | | | | | |
|------------|------------|--|----------|--|------------|--|------------|----|
| 3 | $\times 3$ | | $+ 0$ | | $\div 3$ | | $\times 6$ | |
| | | | | | | | | -8 |
| | $\div 5$ | | -5 | | $\times 7$ | | $\div 2$ | |
| $\times 5$ | | | | | | | | |
| | -10 | | $\div 4$ | | $\times 7$ | | -29 | 6 |

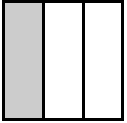
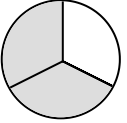
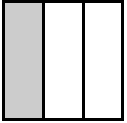
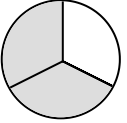
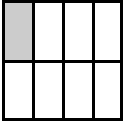
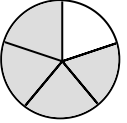
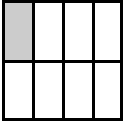
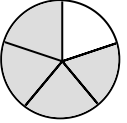
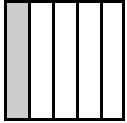
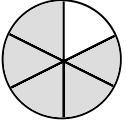
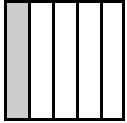
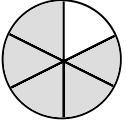
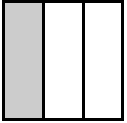
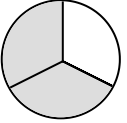
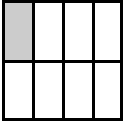
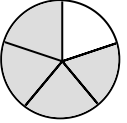
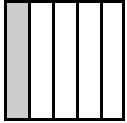
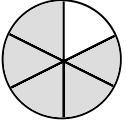
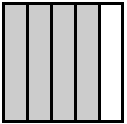
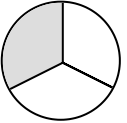
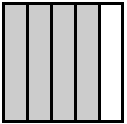
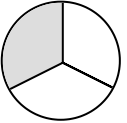
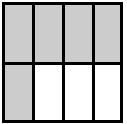
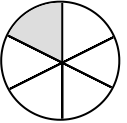
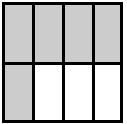
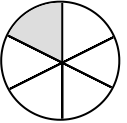
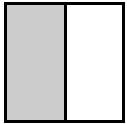
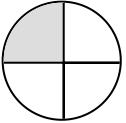
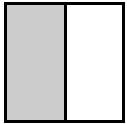
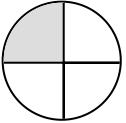
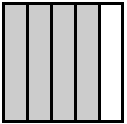
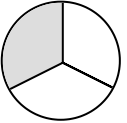
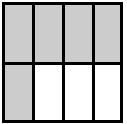
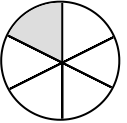
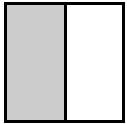
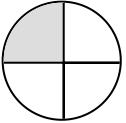
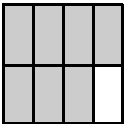
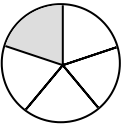
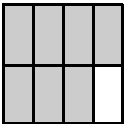
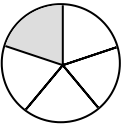
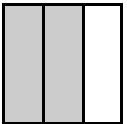
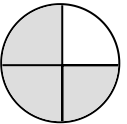
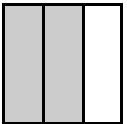
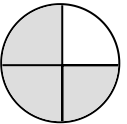
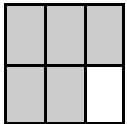
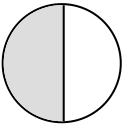
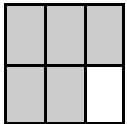
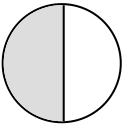
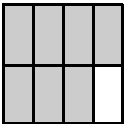
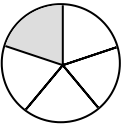
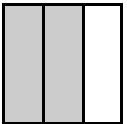
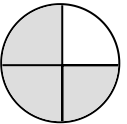
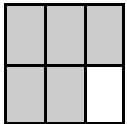
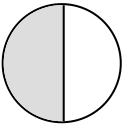
| | | | | | | | | |
|------------|------------|----|----------|------------|----------|------------|------------|-----|
| 5 | $\times 6$ | | | | $\div 3$ | | $\times 8$ | |
| | | -6 | | -15 | | | | -44 |
| | $\div 4$ | | | | | $\div 2$ | | |
| $\times 2$ | | | | $\times 6$ | | $\times 8$ | | |
| | $+ 0$ | | $\div 2$ | | | -6 | 42 | |

Name: _____

NUMTANGA

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

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|--------------|---|--|---------------|---|---|-------------|---|--|---------------|---|---|---------------|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">$\frac{1}{2}$</td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">one eighth</td> </tr> </table> | $\frac{1}{2}$ |  |  | one eighth | □ | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">$\frac{5}{6}$</td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">one sixth</td> </tr> </table> | $\frac{5}{6}$ |  |  | one sixth | □ | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">$\frac{3}{8}$</td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">two thirds</td> </tr> </table> | $\frac{3}{8}$ |  |  | two thirds |
| $\frac{1}{2}$ |  | | | | | | | | | | | | | | | |
|  | one eighth | | | | | | | | | | | | | | | |
| $\frac{5}{6}$ |  | | | | | | | | | | | | | | | |
|  | one sixth | | | | | | | | | | | | | | | |
| $\frac{3}{8}$ |  | | | | | | | | | | | | | | | |
|  | two thirds | | | | | | | | | | | | | | | |
| □ | | □ | | □ | | | | | | | | | | | | |
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| $\frac{1}{5}$ |  | | | | | | | | | | | | | | | |
|  | five eighths | | | | | | | | | | | | | | | |
| $\frac{2}{3}$ |  | | | | | | | | | | | | | | | |
|  | one fourth | | | | | | | | | | | | | | | |
| $\frac{4}{5}$ |  | | | | | | | | | | | | | | | |
|  | three eighths | | | | | | | | | | | | | | | |
| □ | | □ | | □ | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">$\frac{1}{6}$</td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">one half</td> </tr> </table> | $\frac{1}{6}$ |  |  | one half | □ | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">$\frac{7}{8}$</td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">four fifths</td> </tr> </table> | $\frac{7}{8}$ |  |  | four fifths | □ | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">$\frac{5}{8}$</td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">three fourths</td> </tr> </table> | $\frac{5}{8}$ |  |  | three fourths |
| $\frac{1}{6}$ |  | | | | | | | | | | | | | | | |
|  | one half | | | | | | | | | | | | | | | |
| $\frac{7}{8}$ |  | | | | | | | | | | | | | | | |
|  | four fifths | | | | | | | | | | | | | | | |
| $\frac{5}{8}$ |  | | | | | | | | | | | | | | | |
|  | three fourths | | | | | | | | | | | | | | | |

Name: _____

TANGY TUESDAY™

KAKOOMA

| PACK | LEVEL | WEEK |
|------|-------|------|
| 1 | D | 11 |

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

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.

| | | | | | | | | | | | | | |
|----|---|----|---|----|----|---|----|----|----|----|--|----|--|
| 6 | | 40 | | 3 | | 7 | | | | | | | |
| 10 | × | 7 | 2 | × | 21 | | | | | | | | |
| 5 | | 30 | | 24 | | 9 | | | | | | | |
| 27 | | 8 | | | | 6 | | | | | | | |
| 6 | | 8 | | | | | | | | | | | |
| 5 | × | 2 | | | | | 12 | × | 27 | | | | |
| 9 | | 3 | | | | | | 48 | | 20 | | | |
| | | 8 | | 24 | | 7 | | 40 | | | | | |
| | | 2 | | × | | 9 | | 12 | | × | | 90 | |
| | | 72 | | 10 | | | | 63 | | 9 | | | |

Final Puzzle

| | | | |
|--|--|---|--|
| | | | |
| | | + | |
| | | | |

Final Answer

Name: _____

TANGY TUESDAY™

EQUATO

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

| PACK | LEVEL | WEEK |
|------|-------|------|
| 1 | D | 11 |

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

| | | | | | | |
|---|---|---|---|---|---|---|
| 9 | - | 3 | × | | = | 6 |
| - | | + | | × | | = |
| | + | 8 | - | | = | |
| × | | - | | - | | + |
| | × | 5 | - | 2 | = | |
| = | | = | | = | | - |
| 1 | × | | + | | = | 9 |