Name:_____

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

Tangy Tuesday
Pack 3

Tang-A-Row · Gridlock · Shape Up · Pictarithms · Mystery Numbers

TANG-A-ROW

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Make the equations true using each number from the number bank once.

DIGIT BANK

1 2 3 4 5 6 7 8 9

___ ___ × ___ = 51

___ ___ ÷ ___ = 9

___ ___ − [ ] = 84

What number am I?   [ ]
___

GRIDLOCK

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Complete the grid, using each item in the bank once.
Use column and row clues to determine the correct position for each item.

NUMBER BANK

2　3　18　27　30　36　49　64　67

	PRIME NUMBER	MULTIPLE OF 3	PERFECT SQUARE
EVEN NUMBER			
ODD NUMBER			
FACTOR OF 36			

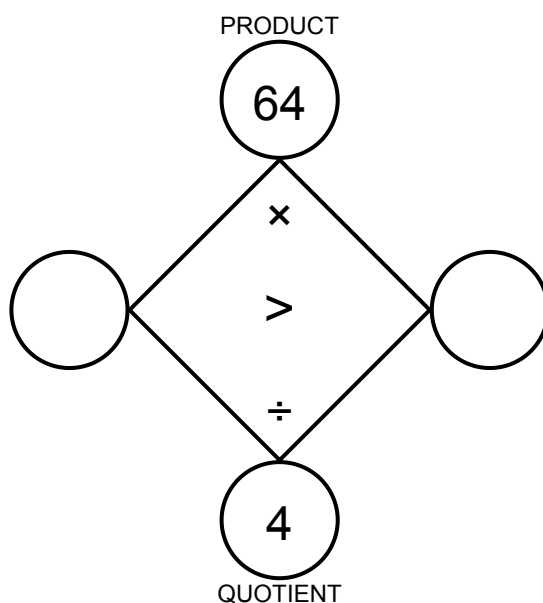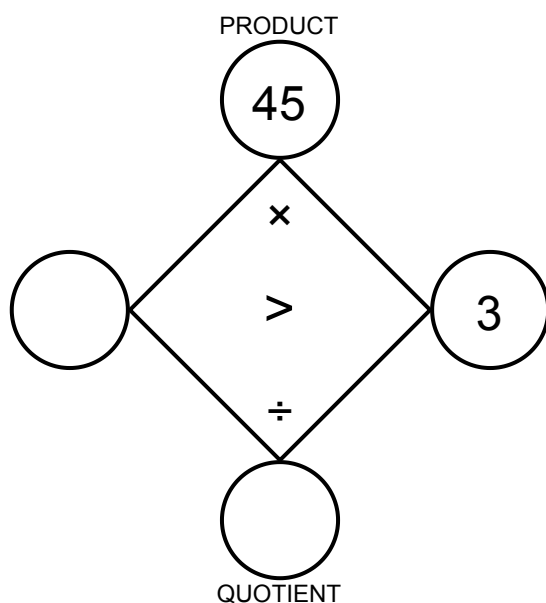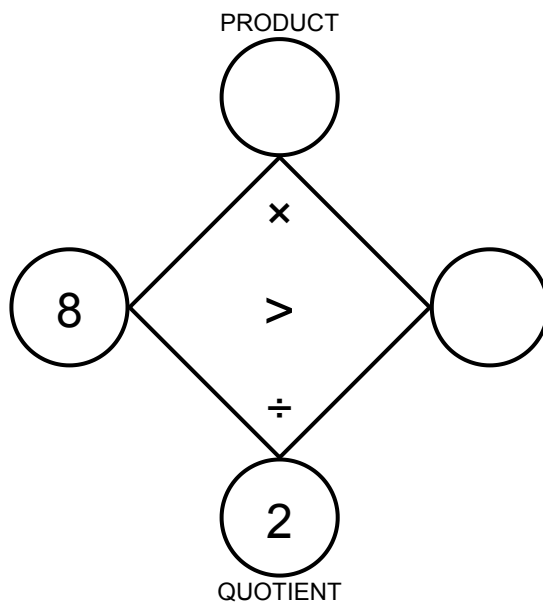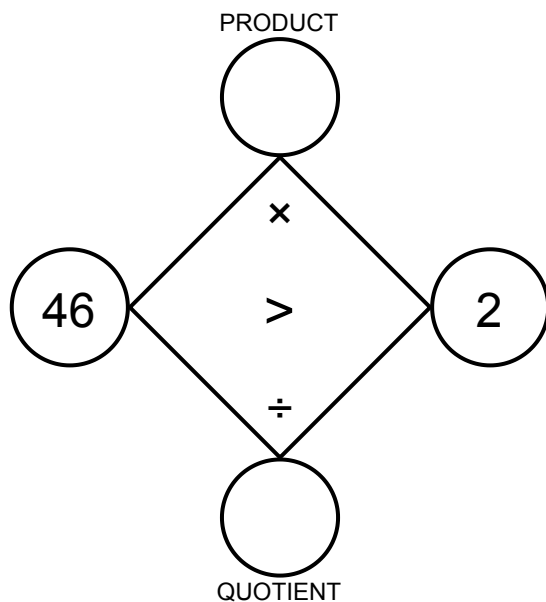Name:_____

SHAPE UP

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

Fill in the missing numbers so that the values on the left and right
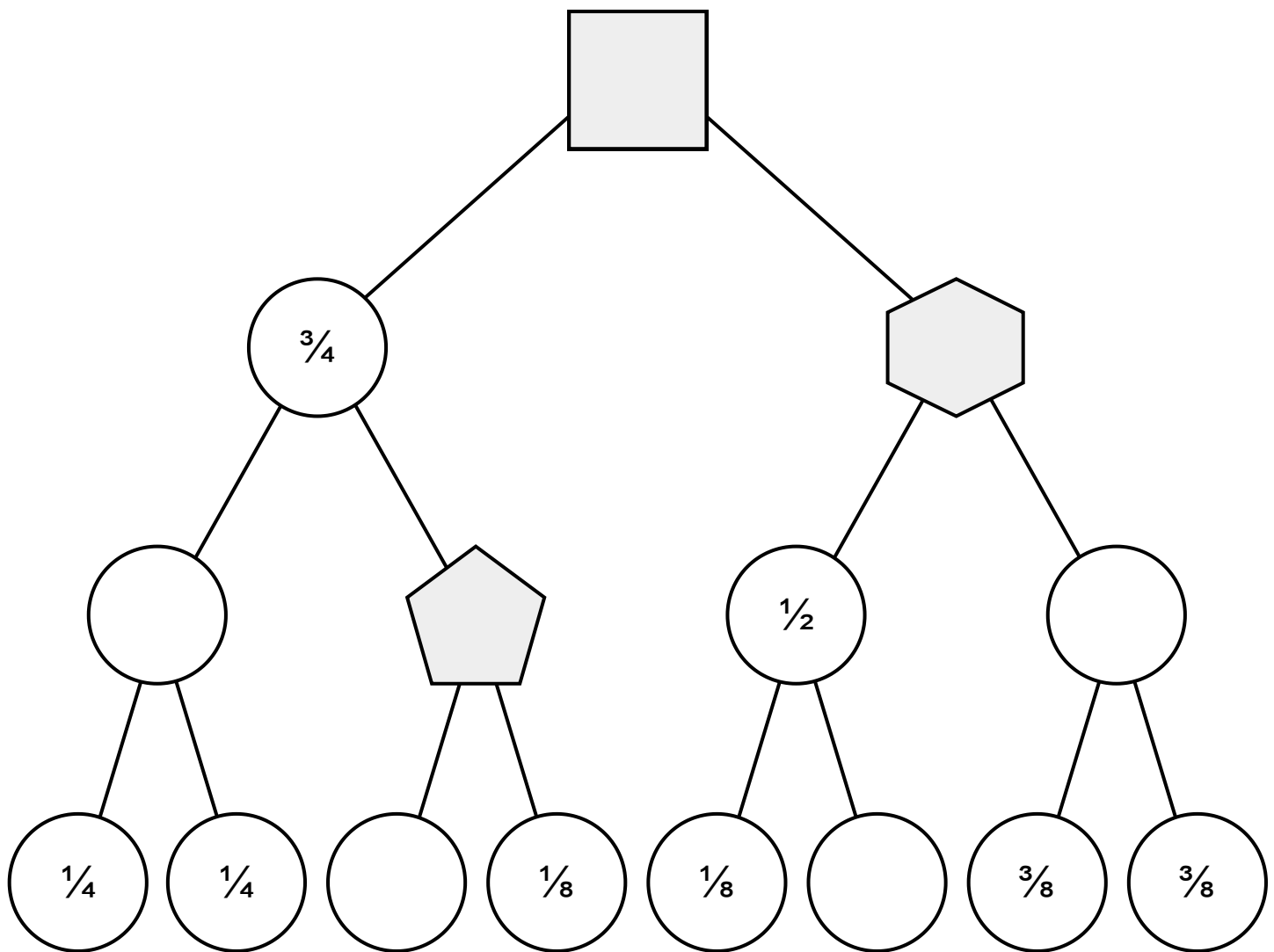go together to make the values at the top and bottom.

PRODUCT

× > ÷

46   2

QUOTIENT

PRODUCT

× > ÷

8

2

QUOTIENT

PRODUCT

45

× > ÷

3

QUOTIENT

PRODUCT

64

× > ÷

4

QUOTIENT

PICTARITHMS

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

Figure out the value of each shape. Then complete the equation at the bottom.

Tree diagram:
- Top: square
  - Left child: circle (¾)
    - circle
      - ¼
      - ¼
    - pentagon
      - (blank circle)
      - ⅛
  - Right child: hexagon
    - circle (½)
      - ⅛
      - (blank circle)
    - circle
      - ⅜
      - ⅜

Equation:

☐ − ⬠ + ⬡ = _____

Name:_____

MYSTERY NUMBERS

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

Use the digits and clues to discover the mystery numbers.
No digit can be used more than once in each mystery number.

DIGIT BANK

2 4 5 8

1. The smallest 3-digit number that is divisible by 4.

2. The largest 3-digit number that is less than 500 and is a multiple of 5.

3. The smallest even number where the product of the digits is 80.

4. The smallest 3-digit number that is divisible by 5 and has more tens than ones.

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