MATH ON THE MENU
REAL-LIFE PROBLEM SOLVING FOR GRADES 3-5
TEACHER'S GUIDE
LHS GEMS
Activity 1

What You Need

For the class:
- 2 overhead transparencies of the Tostada Combinations Chart (master on page 19)
- blank overhead transparencies
- overhead pens
- an overhead projector
- 6 pieces of 8 1/2" x 11" paper in the following colors: tan, orange, red, green, and white
- 60 pieces of 8 1/2" x 11" yellow paper
- 1 math journal per student or writing paper
- (optional) a variety of math manipulatives, such as unifix cubes, pattern blocks, tiles, etc.

For each pair of students:
- 1 set of paper tostada ingredients (see Getting Ready #3)
- 1 gallon-size ziplock plastic bag
- 2 copies of the Tostada Combinations Chart data sheet (master on page 19)

Activity 2

What You Need

For the class:
- 1 overhead transparency of the Tostada Combinations Chart (from Activity 1)
- 1 overhead transparency of the Tostada Ingredient Costs (master on page 38)
- 1 overhead transparency of the Tostada Cost Chart (master on page 39)
- blank overhead transparencies
- overhead pens
- an overhead projector
- class journals or writing paper
- (optional) centimeter, unifix, or multilink cubes
- (optional) containers for cubes

For each pair of students:
- 1 Tostada Cost Chart data sheet (master on page 39)
- (optional) 1 calculator
Activity 3

What You Need

For the class:
- ☐ 1 overhead transparency of Joaquin’s Solution (master on page 53)
- ☐ 1 overhead transparency of Juanita’s Solution (master on page 54)
- ☐ 1 overhead transparency of the Combination Plate Menu (master on page 55)
- ☐ 1 overhead transparency of either Joaquin’s OR Juanita’s Solution Combination Chart (masters on pages 56 and 57)—depending on the problem students do in Session 1
- ☐ blank overhead transparencies
- ☐ overhead pens
- ☐ an overhead projector
- ☐ class journals or writing paper
- ☐ a variety of math manipulatives, such as unifix cubes, pattern blocks, tiles, etc.

For each pair of students:
- ☐ 1 copy of the Combination Plate Menu data sheet (master on page 55)
- ☐ 1 copy of either Joaquin’s OR Juanita’s Solution Combination Chart (masters on pages 56 and 57)—depending on the problem students do in Session 1
- ☐ (optional) 1 calculator

For each student:
- ☐ 1 copy of either the Designer Cakes OR Pizza Combos! homework problem (masters on pages 58–59)

Activity 4

What You Need

For the class:
- ☐ 1 piece each of 8 ½" x 11" blue and red paper
- ☐ 2 pieces each of 8 ½" x 11" yellow and green paper
- ☐ 1 set of restaurant transparencies (see Getting Ready For Session 1)
- ☐ an overhead projector
- ☐ 1 each blue, red, yellow, and green overhead pen
- ☐ blank overhead transparencies
- ☐ class journals or writing paper
- ☐ (optional) 3 pieces each of 8 ½" x 11" blue, red, yellow, green, orange, and purple paper if paper paint color manipulatives are used for Session 2
- ☐ (optional) colored cubes in blue, red, yellow, green, orange, and purple

For each pair of students:
- ☐ 1 set of restaurant manipulatives (see Getting Ready For Session 1)
- ☐ 1 small plastic ziplock bag for restaurant manipulatives
- ☐ 3 copies of the Restaurant Floor Plan (master on page 78)
- ☐ 1 copy of the City Building Codes (master on page 79)
- ☐ 1 set of paint color manipulatives (see Getting Ready For Session 2)
- ☐ (optional) 1 small plastic ziplock bag for paint color manipulatives