



**MATH**

ON THE

**MENU**

REAL-LIFE  
PROBLEM SOLVING  
FOR GRADES 3-5



**TEACHER'S GUIDE**





# 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 ½" x 11" paper in the following colors: tan, orange, red, green, and white
- 60 pieces of 8 ½" 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)
- OR
- 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
- OR
- (*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