

# Building Bridges

## Benchmark Lessons (whole group lessons)

Introduce Task and Rubric  
What Does Math have to do with Bridge Building?  
Types of Bridges  
Planning Your Bridge

## Small-Group Instruction (Mini-Lessons)

Adding and Subtracting Decimals  
Multiplying Decimals  
Measuring Length  
Measuring Weight  
Estimating Needs and Costs  
Estimating Spatial Configurations  
Checking Your Calculations

## How-To Sheets

How -To Order Supplies  
How-To Add Decimals  
How-To Subtract Decimals  
How-To Check Your Calculations



## Technology Assignments

- Brainpop Video
- West Point Bridge Designer Software
- Building Bridges Video Clip

## Learning Centers

- Bridge Observations
  - \*Arch Bridges
  - \*Beam Bridges
  - \*Suspension Bridges
- Bridge Videos

## Group Tasks

- Problem Solves Bridge Type for Each Area
- Reach Consensus on One Bridge to Build
- Order Supplies
- Construction of Bridge

## Individual Tasks

- Plan Bridge
- Calculate Cost of Supplies
- Check Calculations

## Peer Tutoring

Calculations Check