

## Math Module, Session 2

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## Objective

Students will identify ways to teach pupils how to determine square footage of an area, differences in working areas, and a process for determining number of workers to fit in a working area.

## Themes

- Fluency in Basic Computation and Procedural Skills
- Communicate unknown values through use of signs, symbols, and graphs
- Analyze, use tables, to solve problems involving rates and proportions
- Develop logical thinking in order to analyze evidence
- Apply mathematics to everyday life

## Discussion of Individual Activity from Session 1

- Share ideas of other scenarios that would contribute to your pupils' math development.
- Share some of your pupils' math strengths and weaknesses.

## Small Group Activity Solving the Number Problem

- Determine steps needed
- Consider all options

## Determine Space Available

- 1. Figure out current working area:  
Length = 24 ft. Width = 18 ft.
- 2. Figure out new working area:  
Length = 32 ft. Width = 12 ft.
- 3. Determine the difference in the square footage of each room
- 4. Given the difference, look at the amount of space each of the 9 workers need
- 5. Have students make a decision about how many workers can fit in new area.

Option 1 (for pupil with minimal understanding of process)  
Option 2 (for pupil with limited understanding)  
Option 3 (for pupil with understanding of the process)  
Option 4 (for pupil who has an immediate grasp of the answer)

## Discussion of Options

- Small groups to share options they would use to teach their pupils how to solve the problem.