

# *Proportional Reasoning in the Middle Grades*

## *Session 5*

**Theme:** Rates of change

8:30 Welcome, study groups

9:30 Why does cross multiplication work?

- Why not use it?

10:30 Project discussion

- Break here

11:30 Scooter Problem

- Exit question

12:30 Lunch

1:15 Scooter Problem

2:40 Break

2:50 Scooter Problem

4:00 Wrap up

- Final problem set
- Feedback



Assignment: Action research; problem set

Hand outs

- Agenda
- Scooter problem
- Final problem set and scoring guide
- Action research and scoring guide
- Cross product materials
- Feedback form
- Exit question

Materials

- Chart paper, markers
- Graph paper
- Rulers
- Colored post-its (several colors)

