**Classroom Connection Activities**

Please engage in the following activities and bring resulting responses or materials with you to our next session. Feel free to engage with colleagues in these activities, however it will be helpful for each participant to bring or upload responses and materials for the next session.

1. In our session we considered the following fraction comparison problems using a number line representation:

 or   or   or   or   or 

1. Develop two fraction comparison problems. Develop one that you feel is similar to a problem in the set and develop one that you think is different from problems in the set. Explain the ways in which these problems are similar to or different from problems in the set. Bring the problems you developed to our next meeting.
2. Which comparison problems from the initial set do you think are the least difficult and most difficult for students? What ideas did you use to help you decide?
3. In the course of this module you will be working on your use of representations in teaching.

Part of this will involve the ways in which you use a particular medium like boards/overhead/ chart paper to record the work of the class. In preparation for the next session, take two photos of the medium you use most often to record the work of the class at two points in the lesson:

* 1. The first photo, at the beginning of a mathematics lesson, and
  2. The second photo, at the end of the mathematics lesson

Upload/save these images to share with others in a later session.