

Phase	EXPLORE PHASE: Supporting Students' Exploration of the Task
E X P L O R E E X P L O R E E X P L O R E	<p data-bbox="428 342 936 370"><u>MONITORING STUDENTS' RESPONSES</u></p> <p data-bbox="428 407 1791 557">As you circulate, attend to students' mathematical thinking and to the strategies and representations used. It is not necessary for all groups to have answered Questions 3 and 4 before the Share, Discuss, and Analyze phase, as long as they have discussed Questions 1 and 2 thoroughly in their small groups and are able to verbalize the procedure that they would use to calculate the charge for 150 and 750 shirts. Question 4 will be addressed during the Share, Discuss and Analyze phase of the Lesson Task. As you circulate around the room you will need to:</p> <ul data-bbox="428 594 1791 1019" style="list-style-type: none"> • Observe students' solution methods and listen carefully to their verbal explanations. Press students to explain why their method works. Have students share their approaches with their group members. • Make note of the solution methods that students use and choose the solutions to be shared, and the order in which you want them to be shared during the Share, Discuss and Analyze phase. You might want to start with the solution path that was used most frequently. • Make special note of groups whose tables are not constructed systematically or whose graphs have irregular or incorrect scales. <u>It will be important for their tables and graphs to use regular increments so that a constant rate of change is apparent.*</u> Try to address these issues during the Explore Phase – if you find it is a common problem then you should also address it during the Share, Discuss and Analyze phase. • Identify the groups that will share their solution, and let them know the solution path that you want them to share. Decide which group member you will ask to lead the presentation, and give them advanced warning. You might want to select a group member who might not have originally constructed the solution in order to encourage group accountability. Let other group members know that you might ask any of them to add to the discussion.