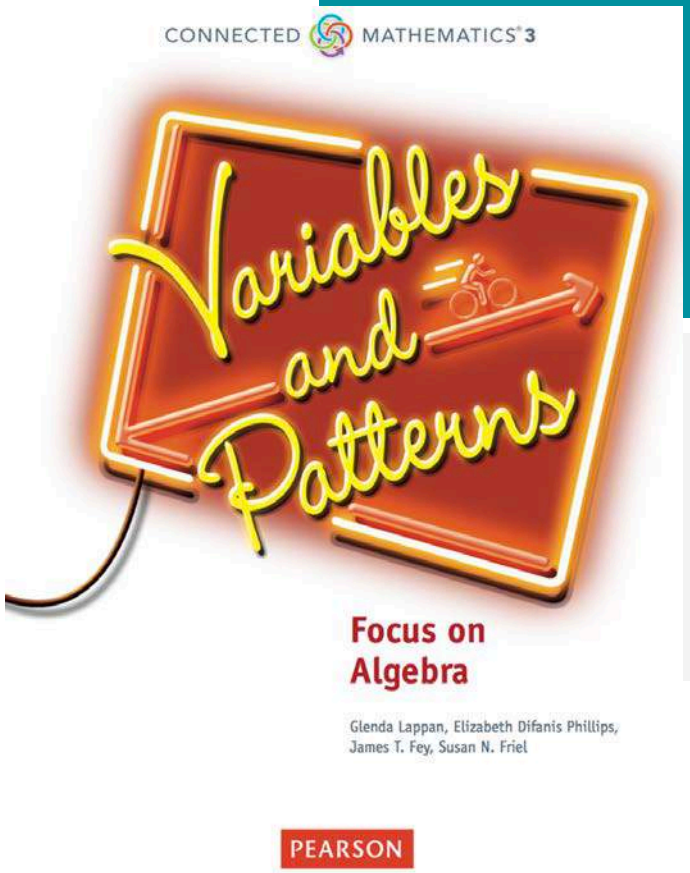


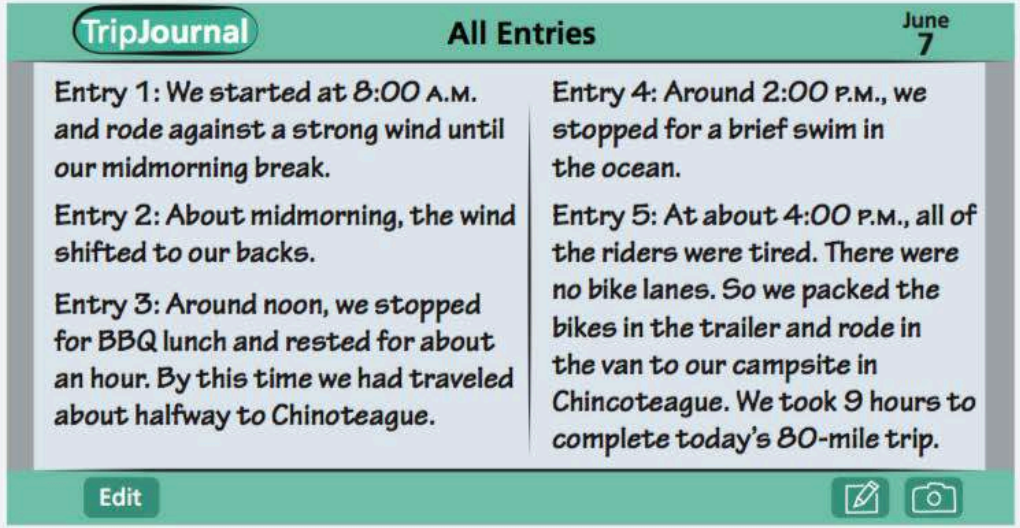
Grade 6 Student Work

Variables and Patterns Problem 1.3

From Lewes to Chincoteague Island: Stories, Tables, Graphs

Problem 1.3

Malcolm and Liz drove the tour van on the way from Lewes to Chincoteague. They forgot to record time and distance data. Fortunately, they wrote some notes about the trip.

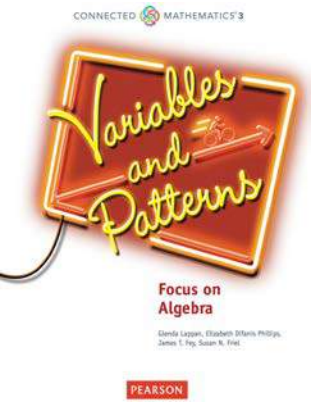


A Make a table of (*time, distance*) values to match the story told in Malcolm and Liz's notes.

B Sketch a coordinate graph that shows the information in the table. Does it make sense to connect the points on the graph? Explain your reasoning.

C Explain how the entries in your table and graph illustrate the trip notes.

D Which representation of the data (*table, graph,* or *written notes*) best shows the pattern of change in distance over time? Explain.



The Lesson That Produced This Student Work

Explore Part 1

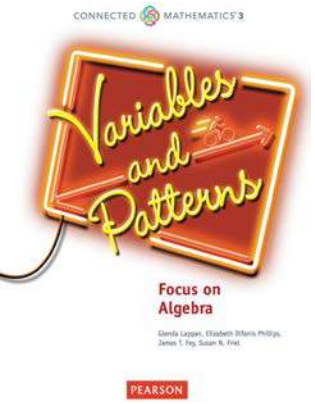
Small groups created posters showing their work for Problem 1.3.

Explore Part 2

During a gallery walk, groups used sticky notes to give feedback to others.

Summarize

Students used the feedback from peers to change their work, discuss changes that could be made to their work, or to disagree with the feedback and justify a decision made when creating their poster.



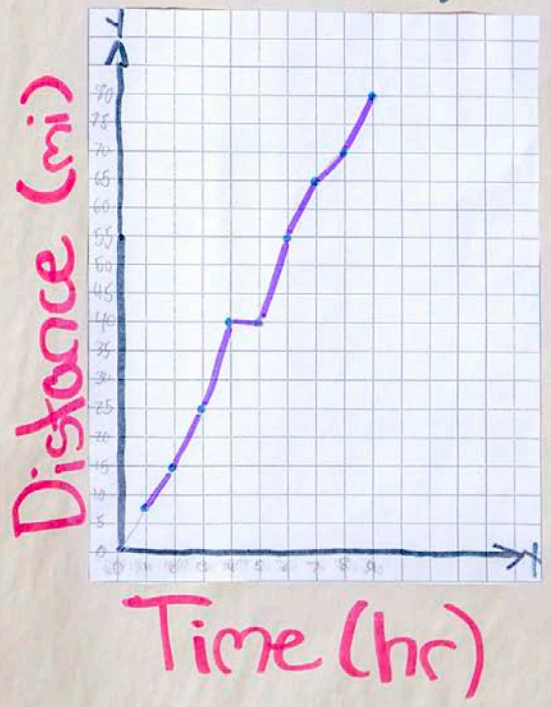
Table

Bike Trip

Hours	1st hour	2nd hour	3rd hour	4th hour	5th hour	6th hour	7th hour	8th hour	9th hour
Distance	8 mi	15 mi	25 mi	40 mi	40 mi	55 mi	65 mi	70 mi	80 mi

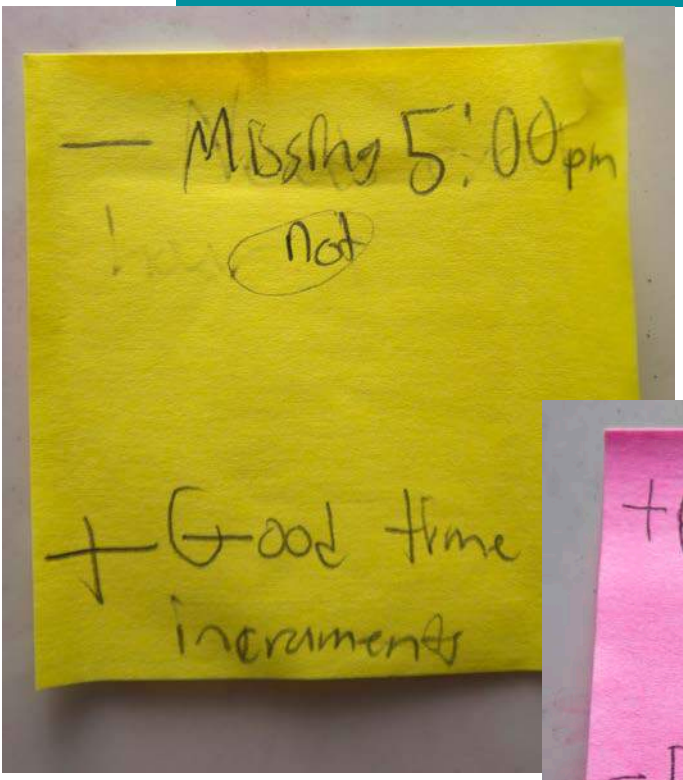
Graph

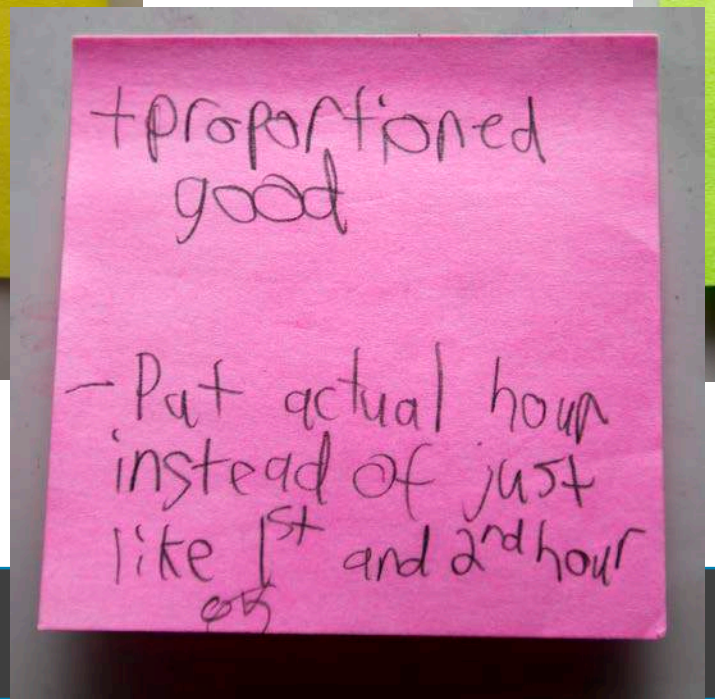
Bike Trip

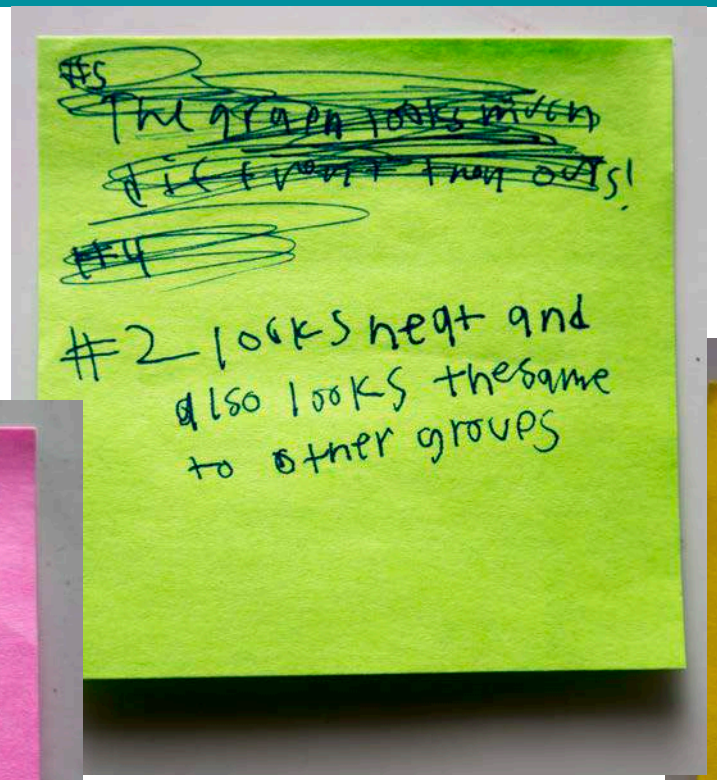


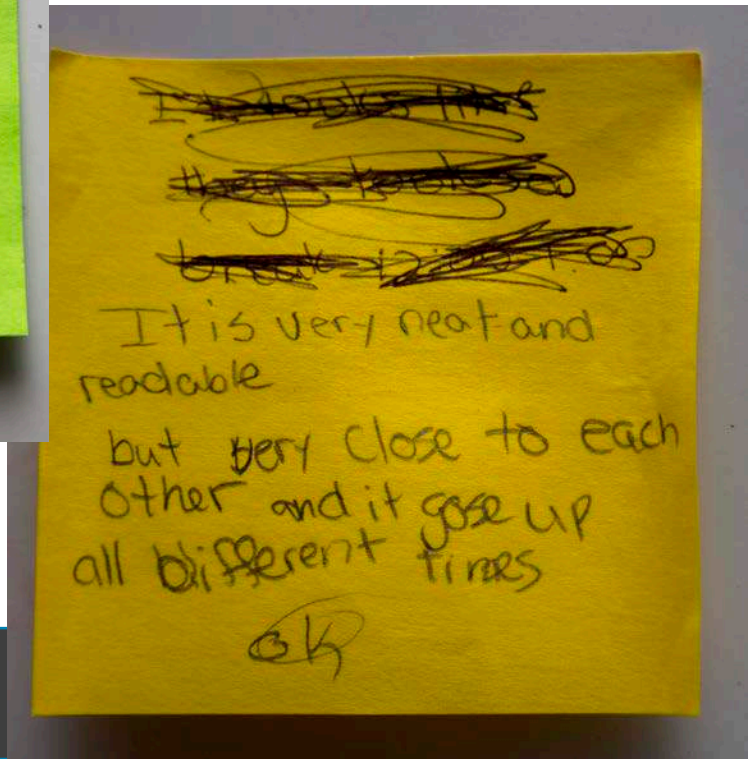
Group A

Peer Feedback for Group A









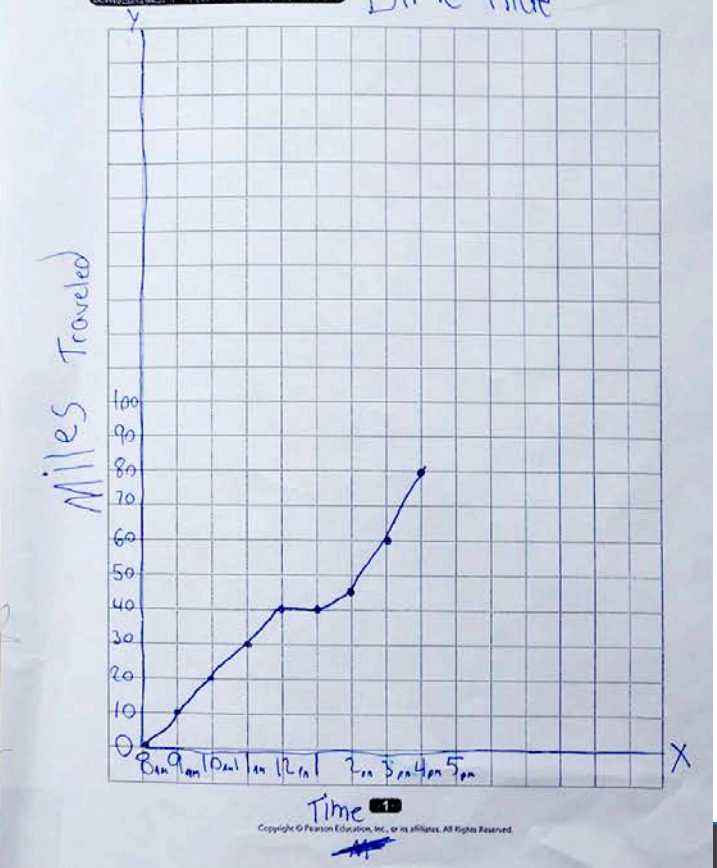
Group B

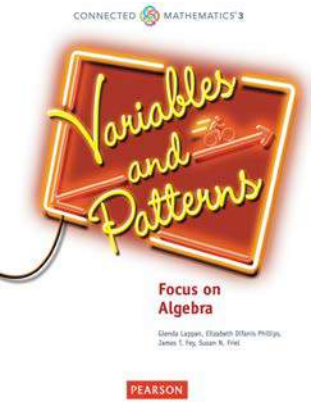
TIME	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM
MILES TRAVELED = MT	0 mt	10 mt	20 mt	30 mt	Stop 40 mt	40 mt	Stop 45 mt	Go 5 mt	Stopped Biking 80 mt

Name Group 6 Date Class

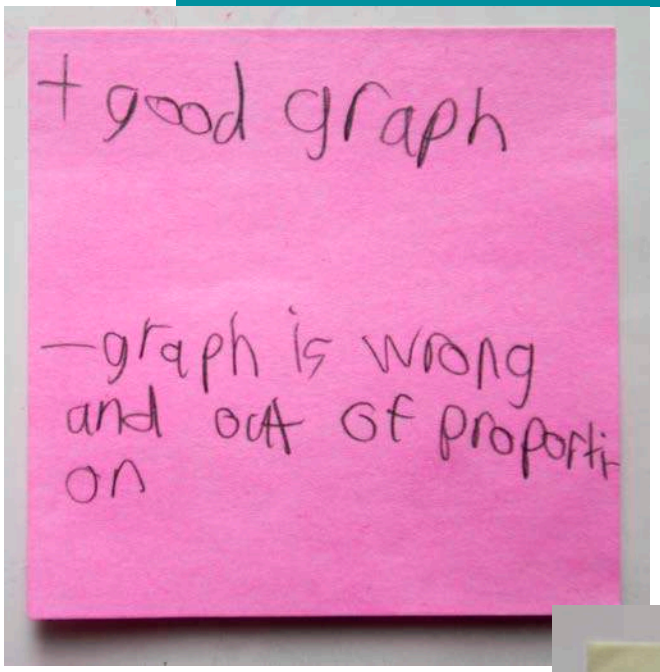
Centimeter Grid Paper

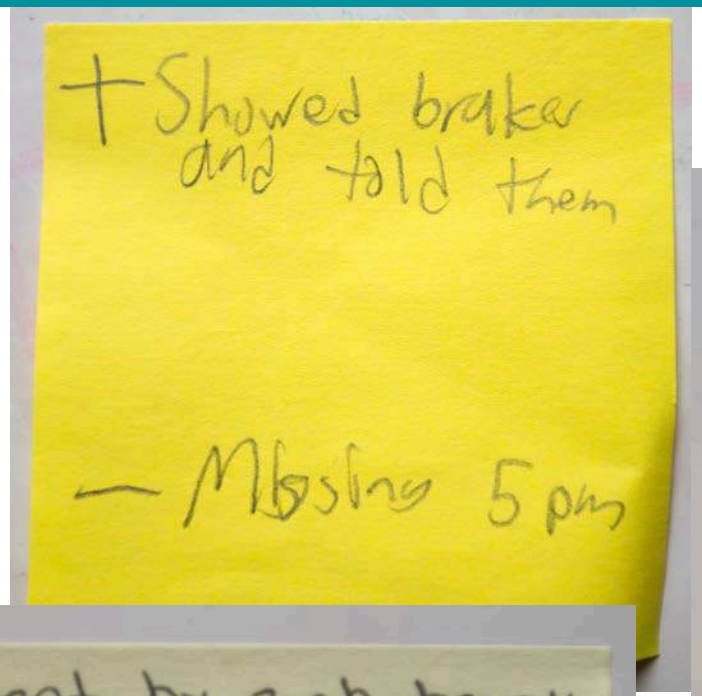
Bike Ride

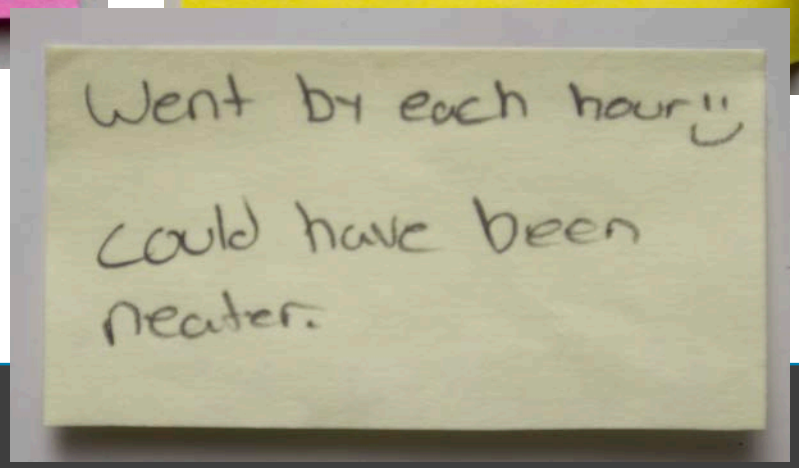


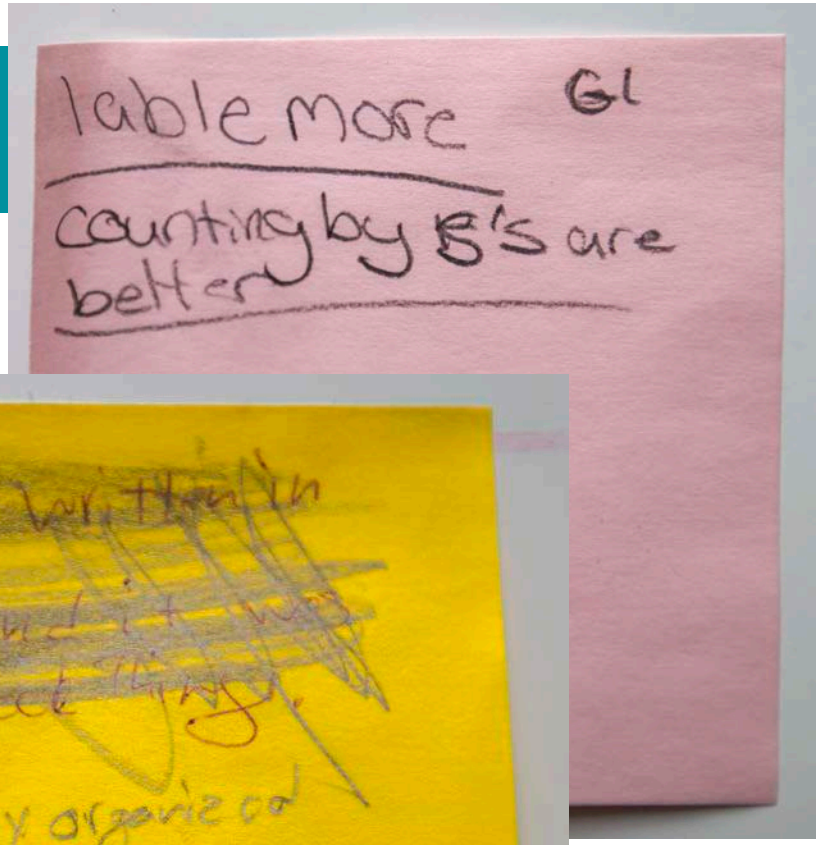


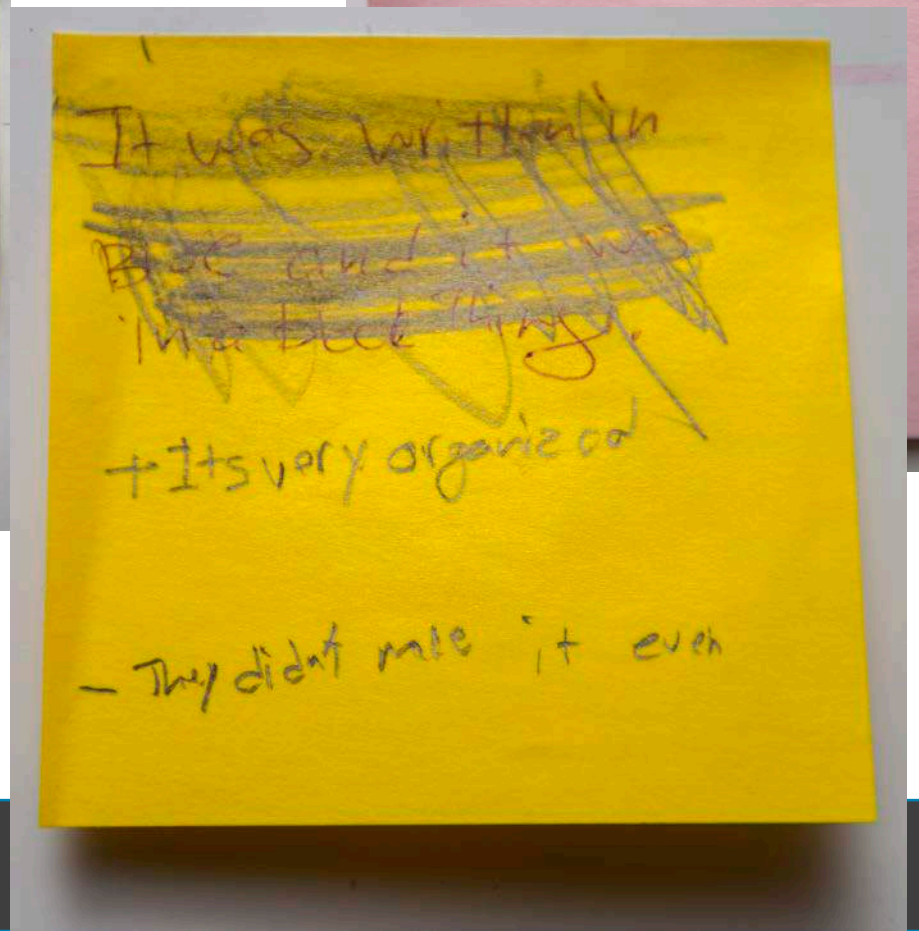
Peer Feedback for Group B







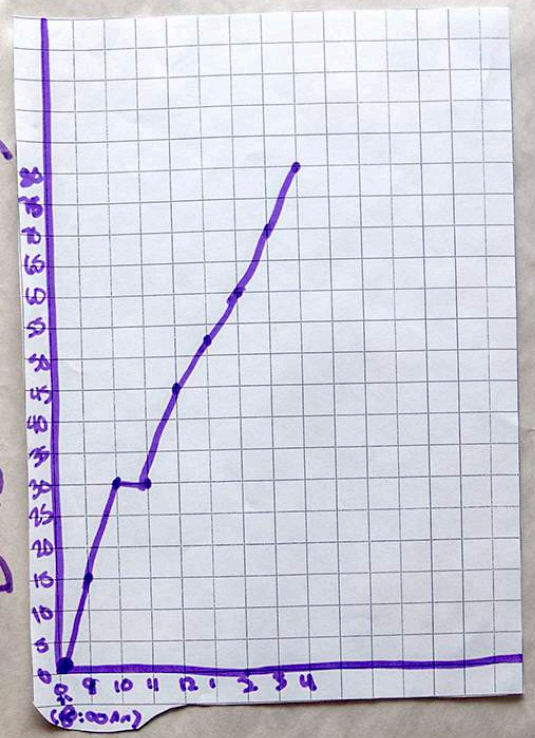




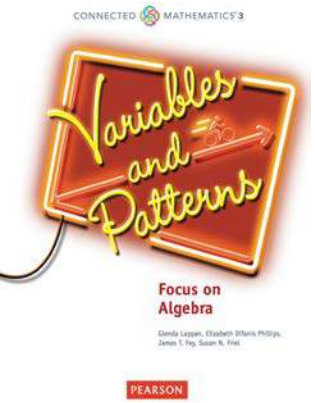
Chart

Time	8:00	10:00	12:00	2:00	4:00
Distance (Miles)	0	30	45	60	80

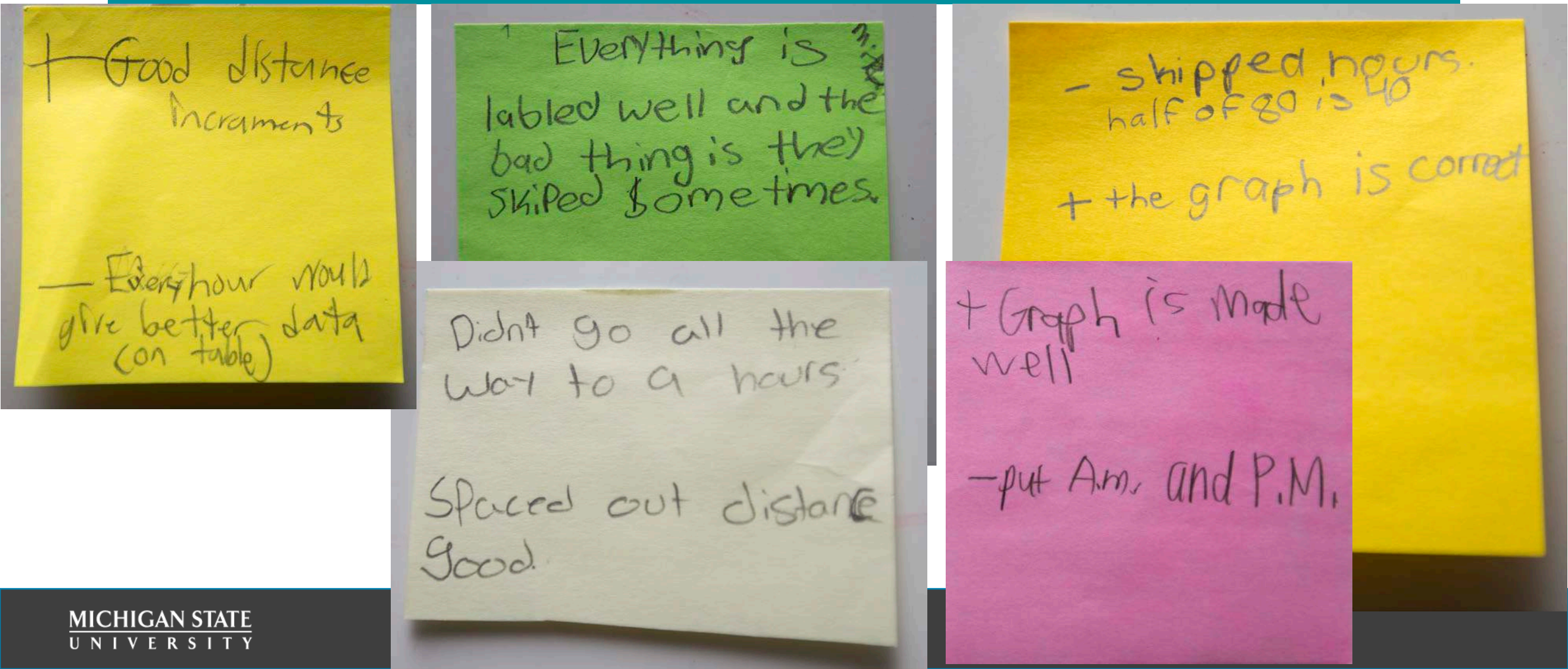
Graph

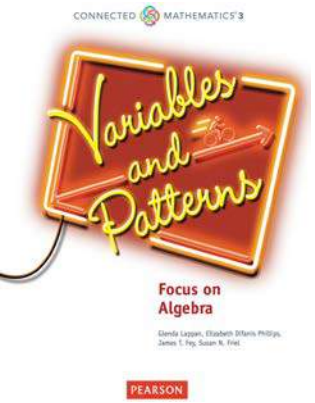


Group C



Peer Feedback for Group C

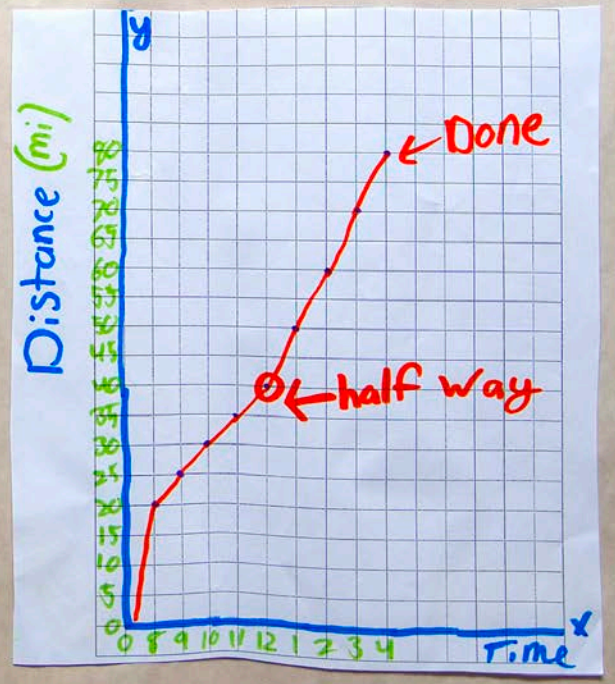




Table

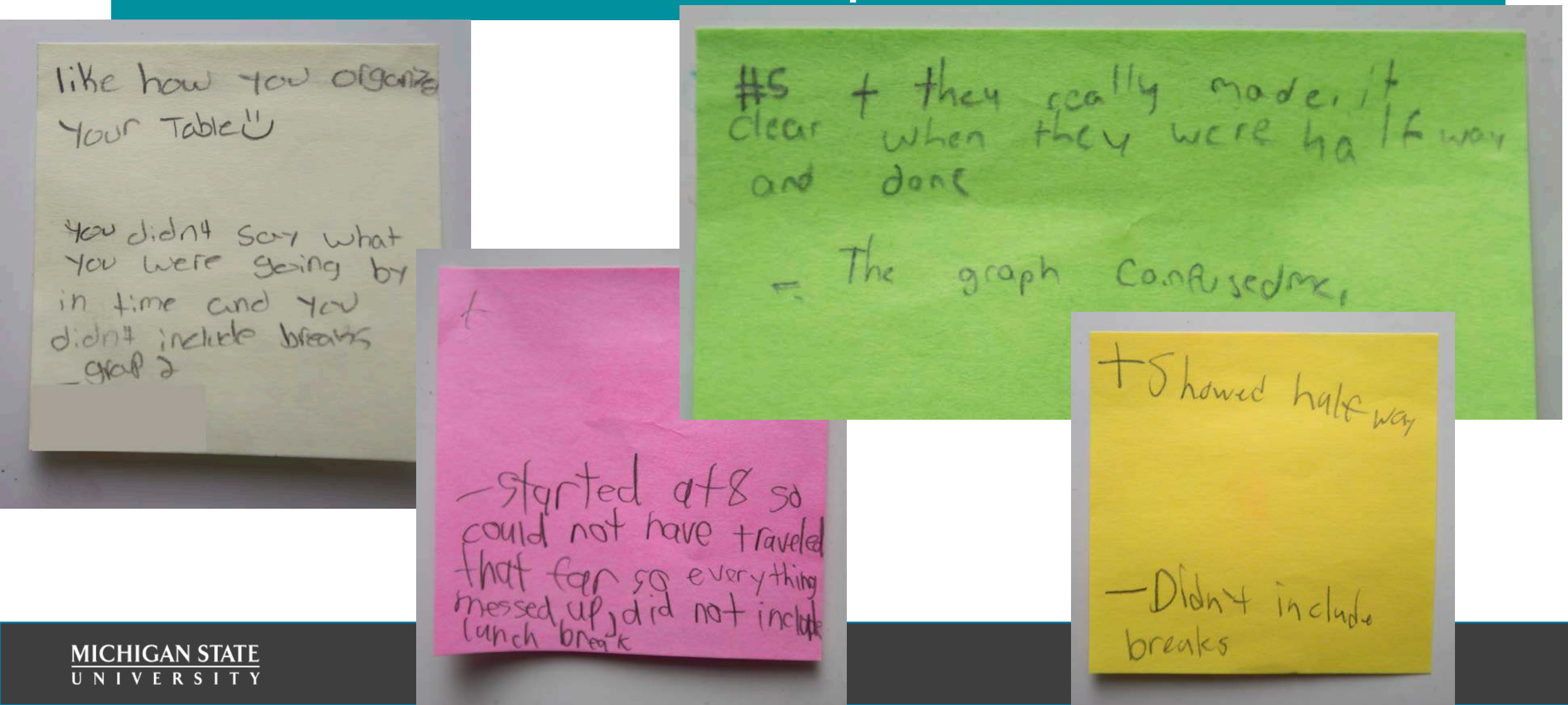
Time	Distance
8:00 am	20 mi
9:00 am	25 mi
10:00 am	30 mi
11:00 am	35 mi
12:00 pm	40 mi Half way there
1:00 pm	50 mi
2:00 pm	60 mi
3:00 pm	70 mi
4:00 pm	80 mi Done

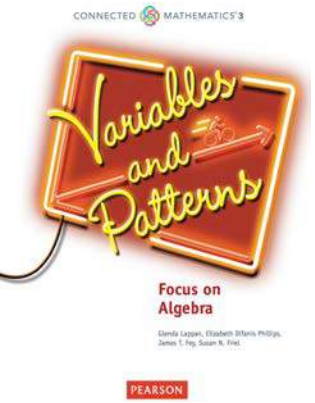
Graph



Group D

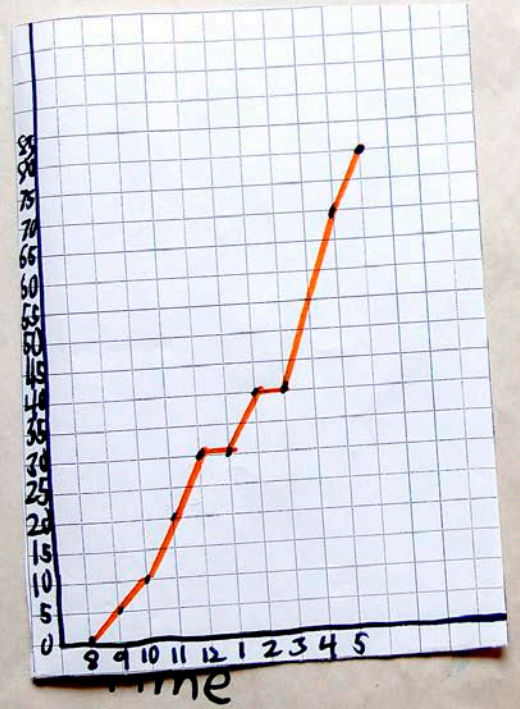
Peer Feedback for Group D





From Lewes to Chincoteague

Distance (miles)

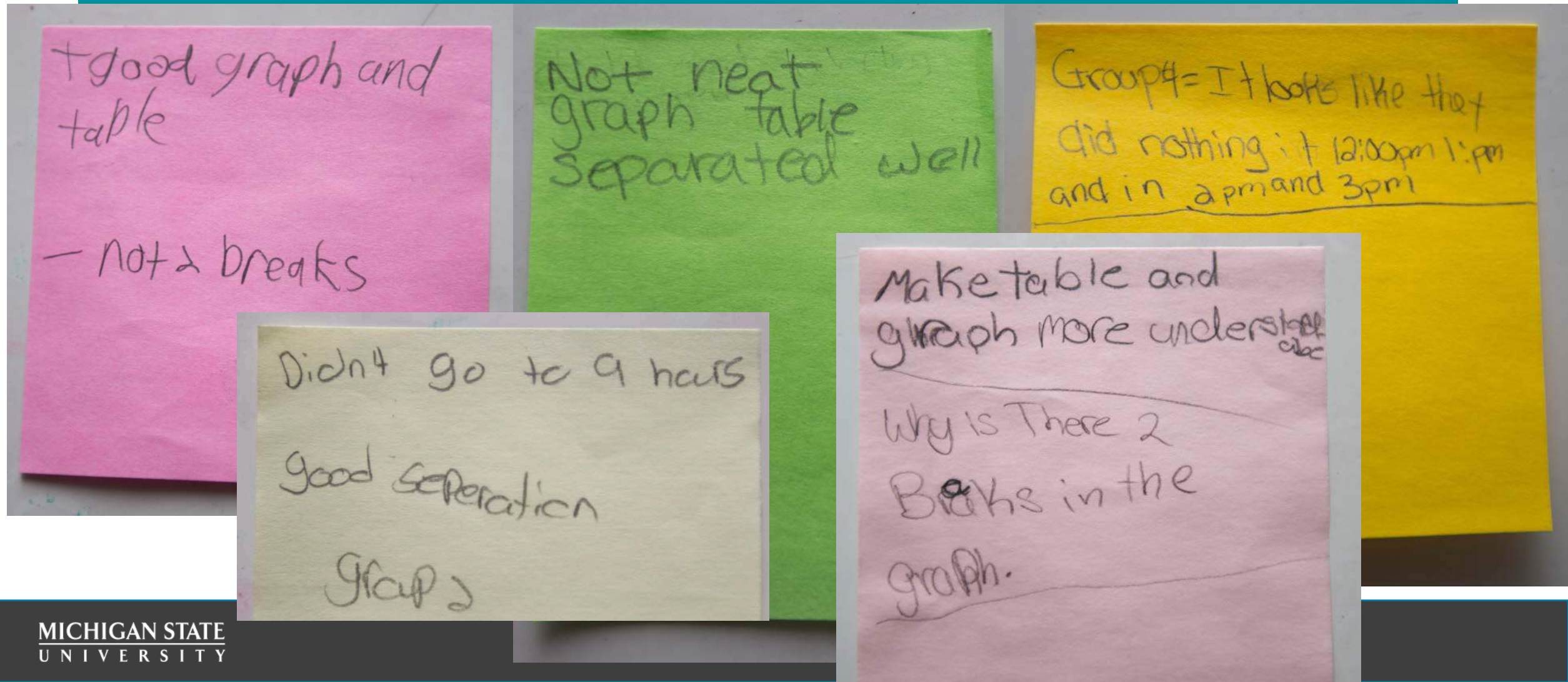


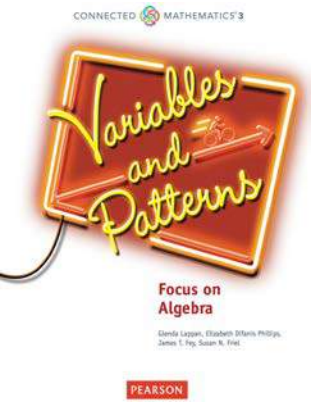
Time	8 am	9 am	10 am	11 am	12 pm	1 pm
Distance (miles)	0	5	10	20 (20)	30 (30)	50 (30)

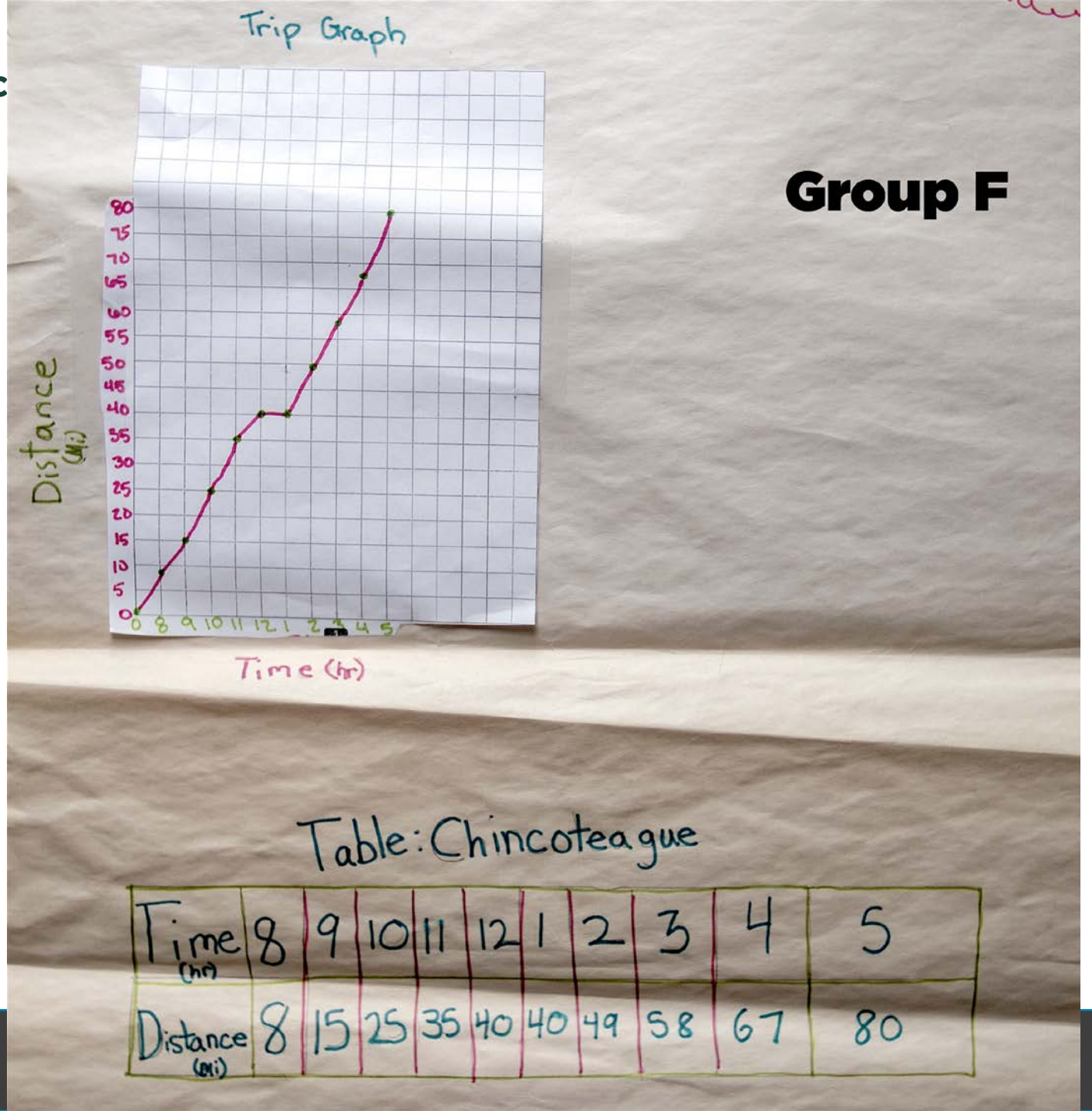
2 pm	3 pm	4 pm	5 pm
40	40	70	80

Group E

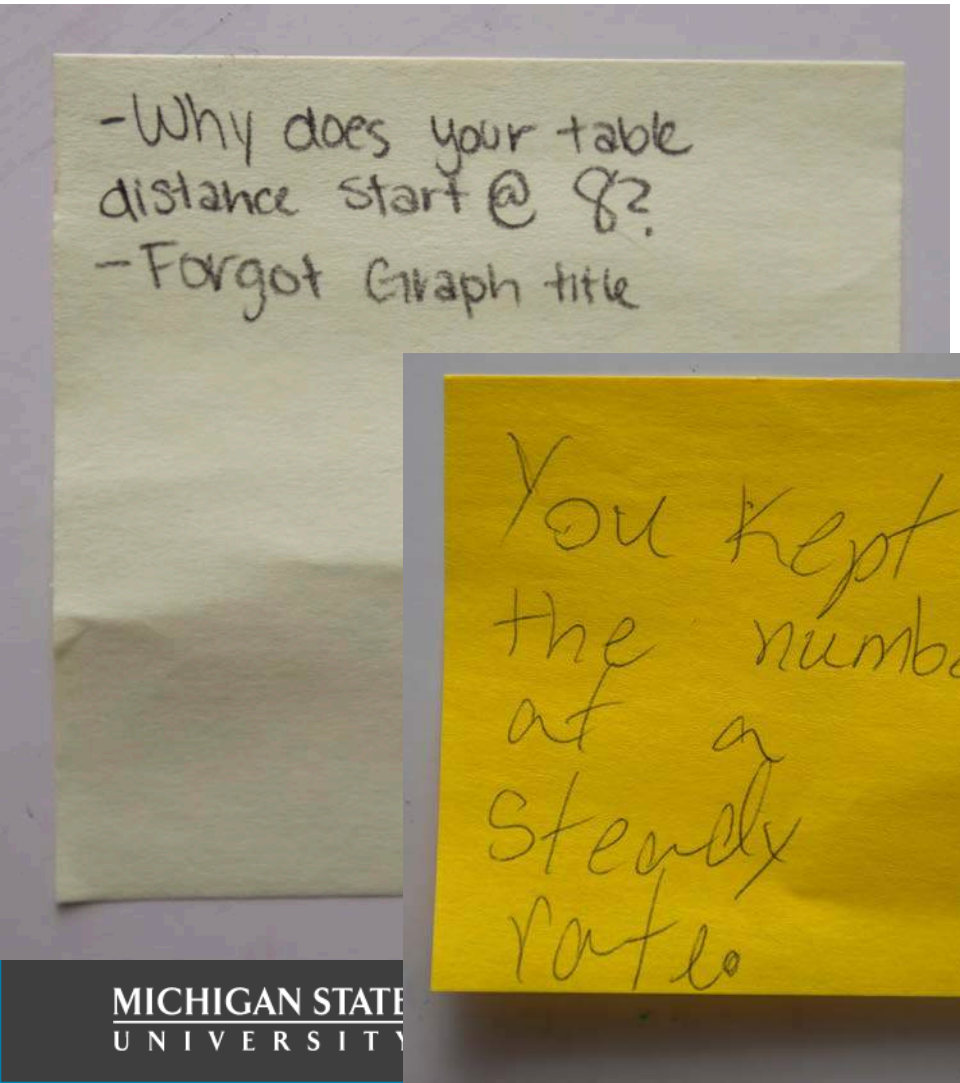
Peer Feedback for Group E

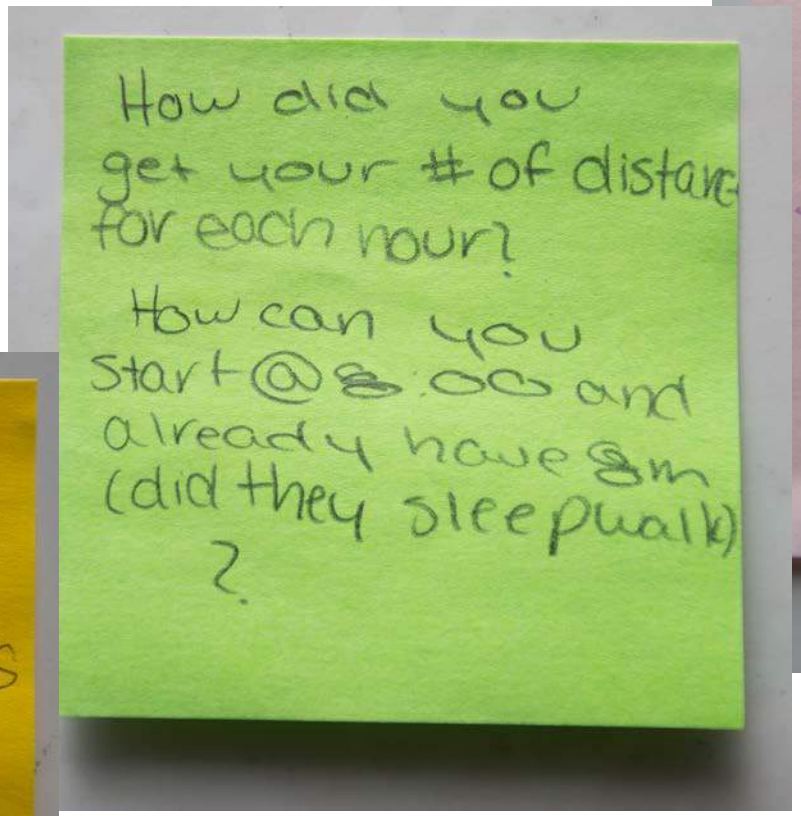


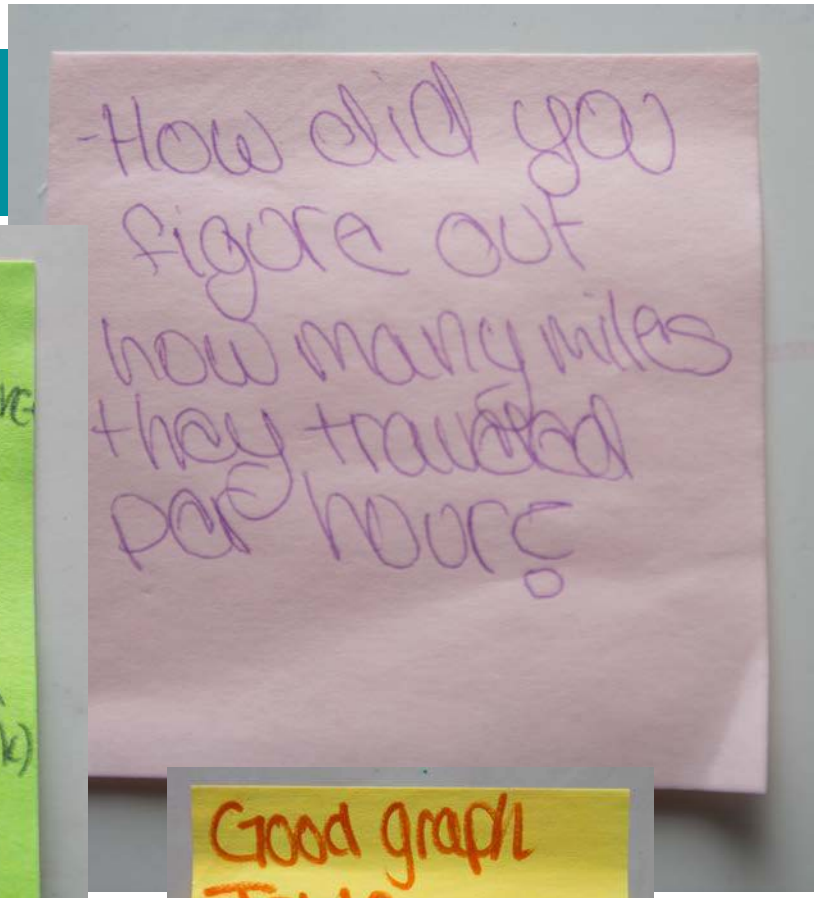

CONNECTED MATHEMATICS 3
Variables and Patterns
Focus on Algebra
PEARSON

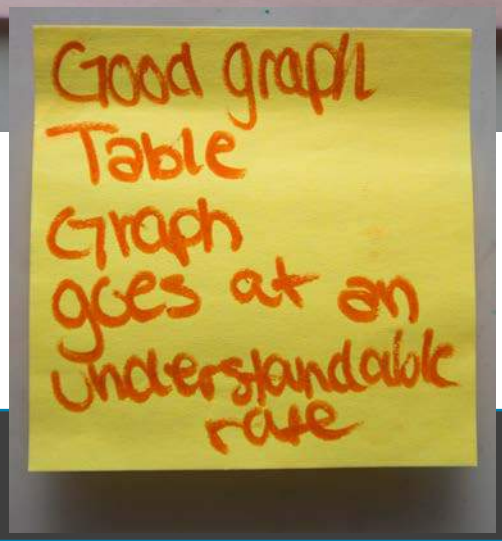

Trip Graph
Distance (mi)
Time (hr)
Group F
Table: Chincoteague
Time (hr) 8 9 10 11 12 1 2 3 4 5
Distance (mi) 8 15 25 35 40 40 49 58 67 80

Peer Feedback for Group F



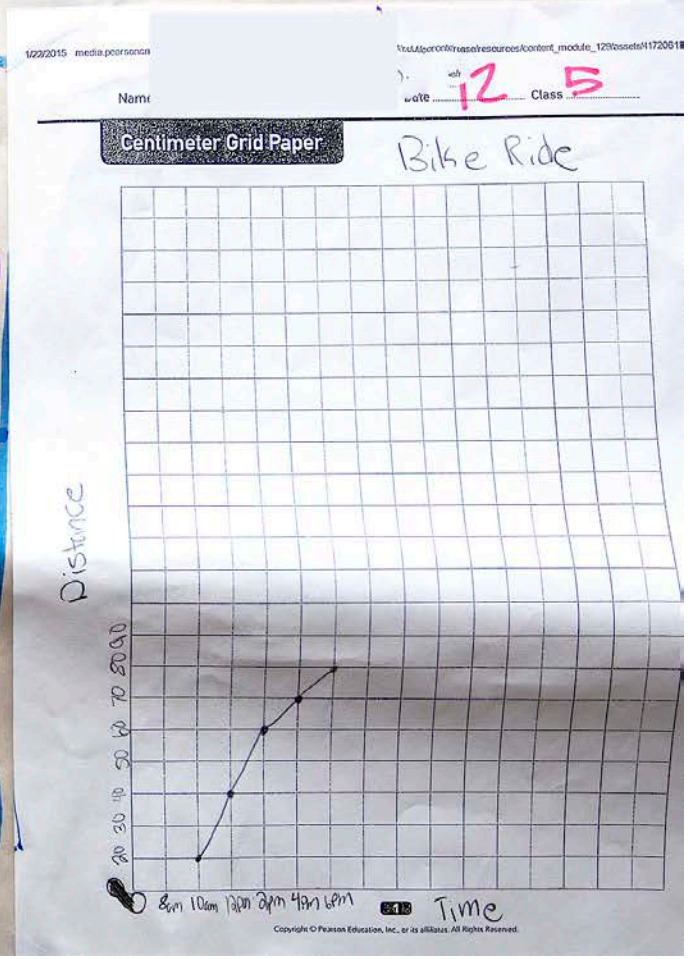


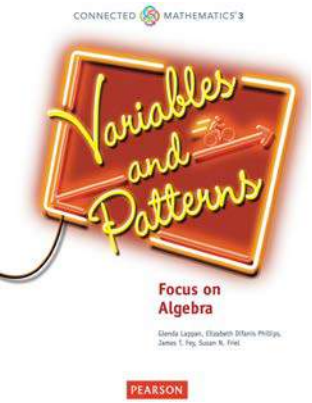




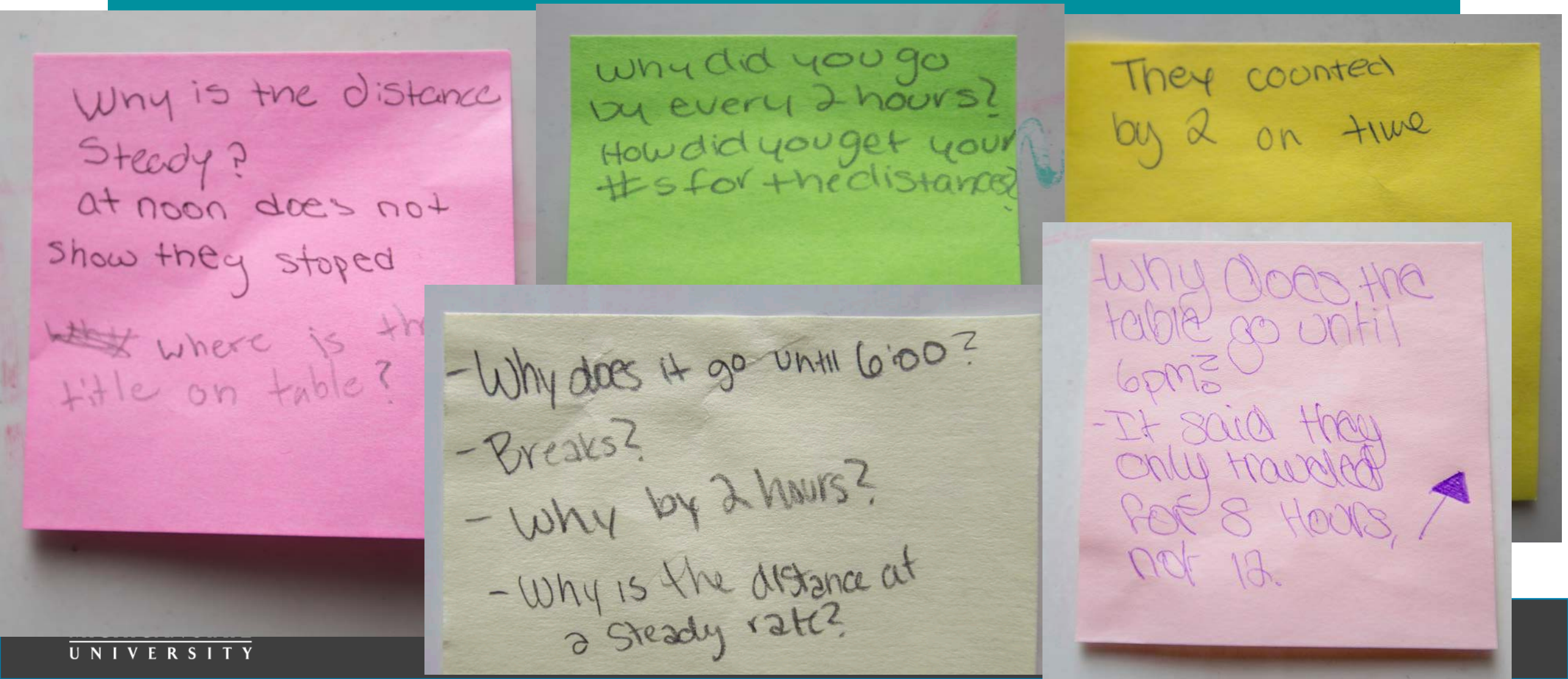
Group G

Time	8:00 am	10:00 am	Noon	2:00 pm	4:00 pm	6:00 pm
Distance	0	20	40	~~20~~ 60	~~20~~ 70	80

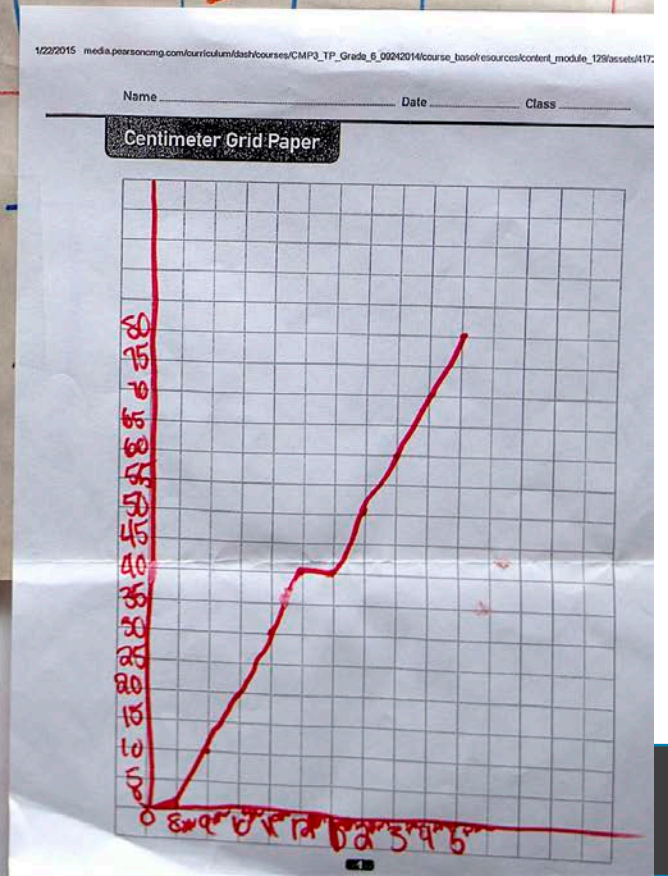




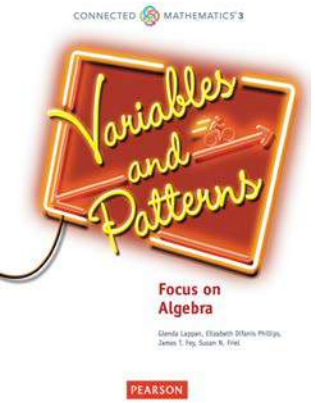
Peer Feedback for Group B



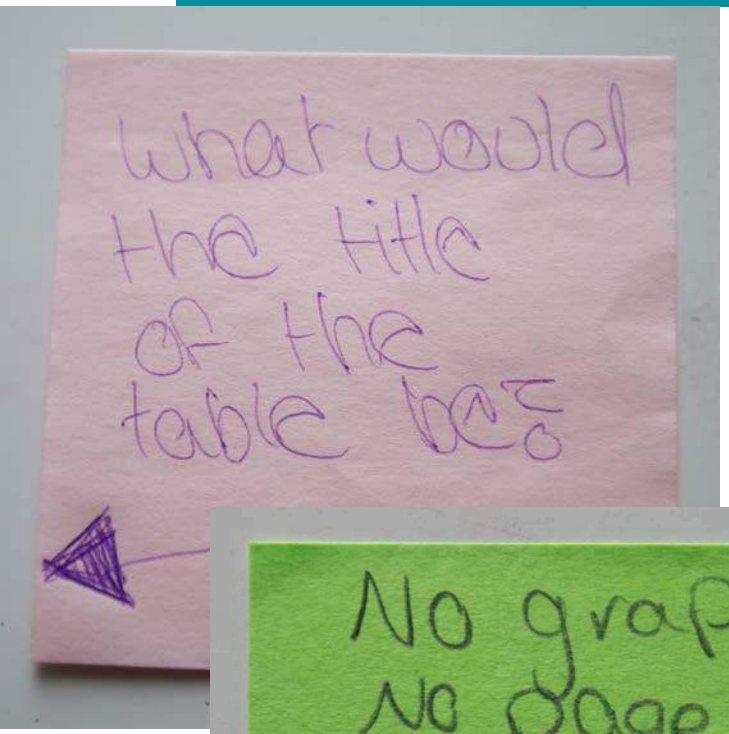
Time	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
Distance	0	10	20	30	40	40	50	60	70	80

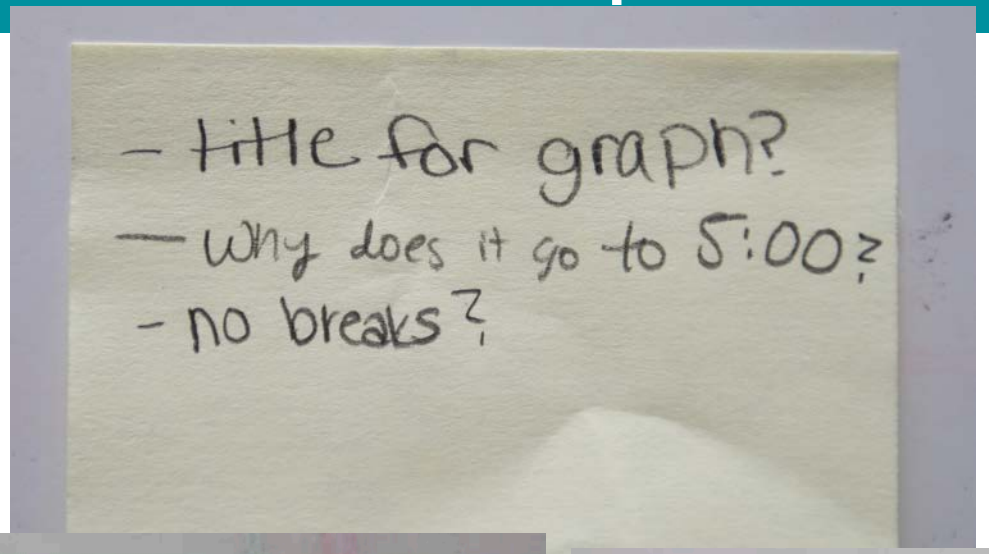


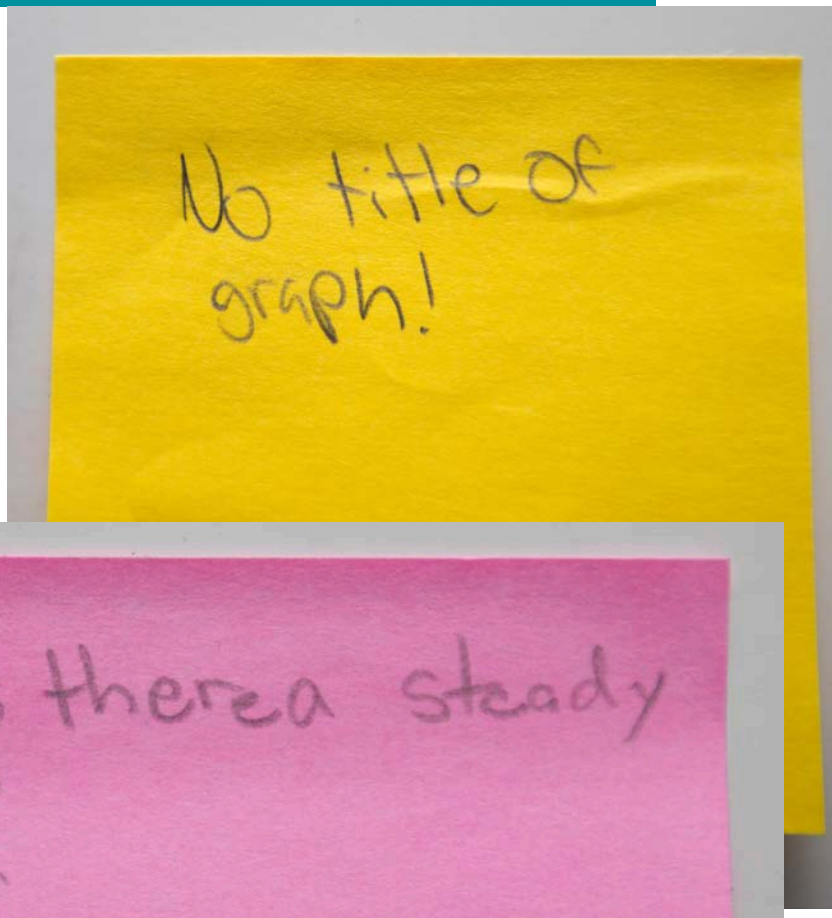
Group H

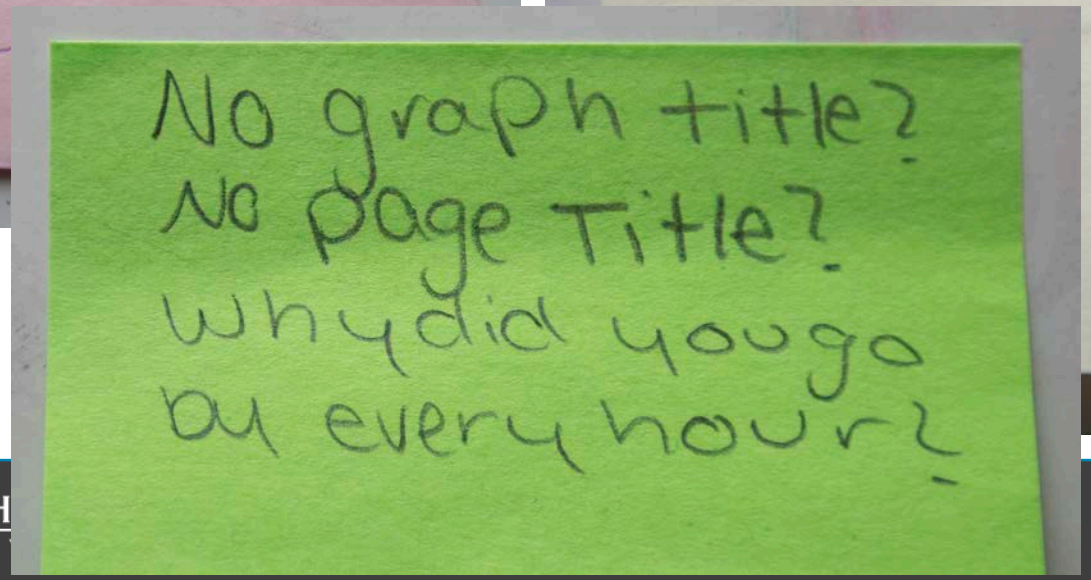


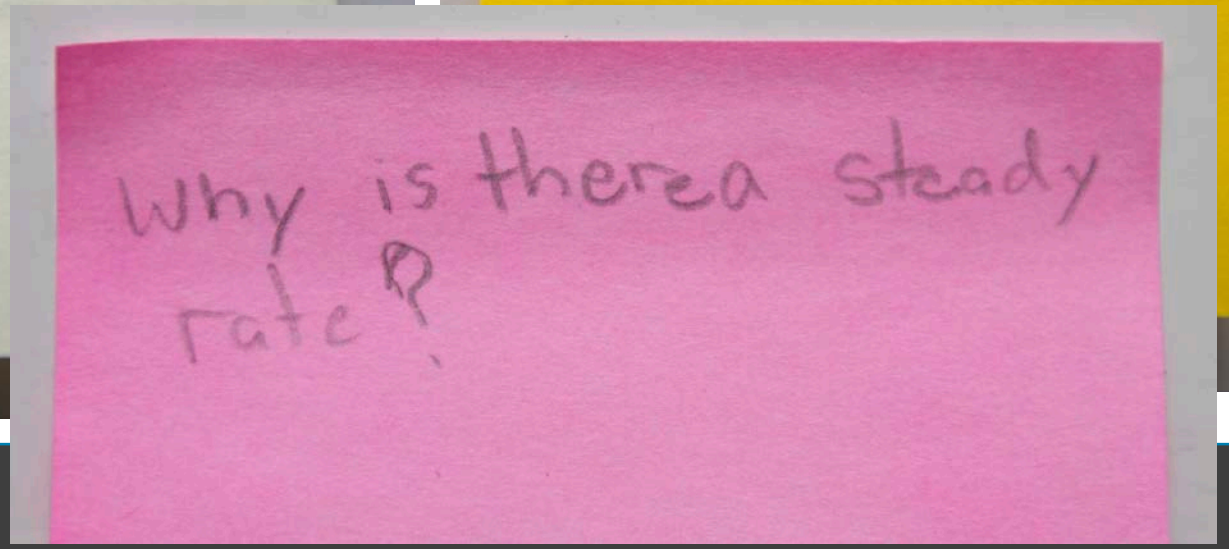
Peer Feedback for Group H











Time (H)	8 am	9 am	10 am	11 am	12 pm	1 pm	2 pm	3 pm	4 pm	5 pm
Distance (m)	0	7	15	31	40	40	51	59	67	80

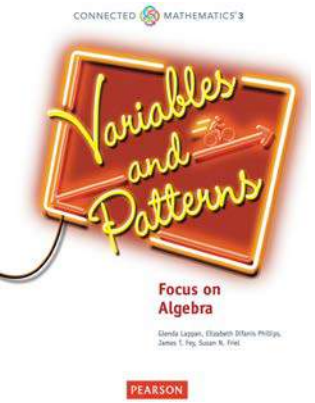
Name Date Class

Centimeter Grid Paper

Distance

Time

Group 1



Peer Feedback for Group