

8th Grade OTIMMS Study Lesson
 Student Instruction Sheet

Objective: You will gather data from an ordering integers exercise and then organize that data in a graph to discover patterns.

Points to consider as you work:

*How can you use the table to show your data?

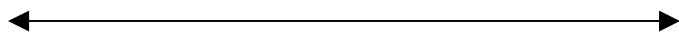
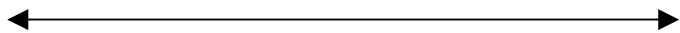
*How will you show time and number of jumps on your graph. Which is your dependent variable and which one is your independent variable?

*What patterns do you notice in your table?

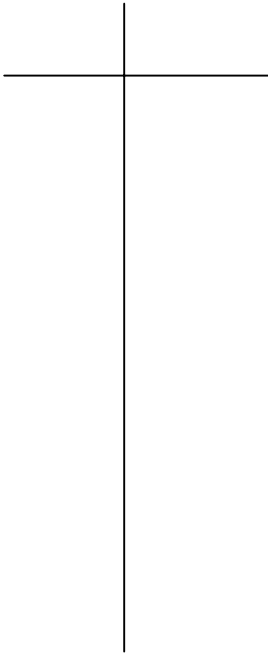
*Begin your graph at (0,0) and draw one straight line that comes close to all the points you have plotted. This is called a “line of best fit”.

| Practice # 1 | time _____ | jumps _____ |
|--------------|-----------------------------------------------------------------|-------------|
| -- 3 | 6 | 4 |
| 12 | --2 | 15 |
| | --1 | 5 |
| | 7 | |
| 9 | --4 | 11 |
| | 10 | 3 |
| | 8 | 14 |
| 13 | --5 | 0 |

| Practice # 2 | time _____ | jumps _____ |
|--------------|-----------------------------------------------------------------|-------------|
| -- 3 | 6 | 4 |
| 12 | --2 | 15 |
| | --1 | 5 |
| | 7 | |
| 9 | --4 | 11 |
| | 10 | 3 |
| | 8 | 14 |
| 13 | --5 | 0 |

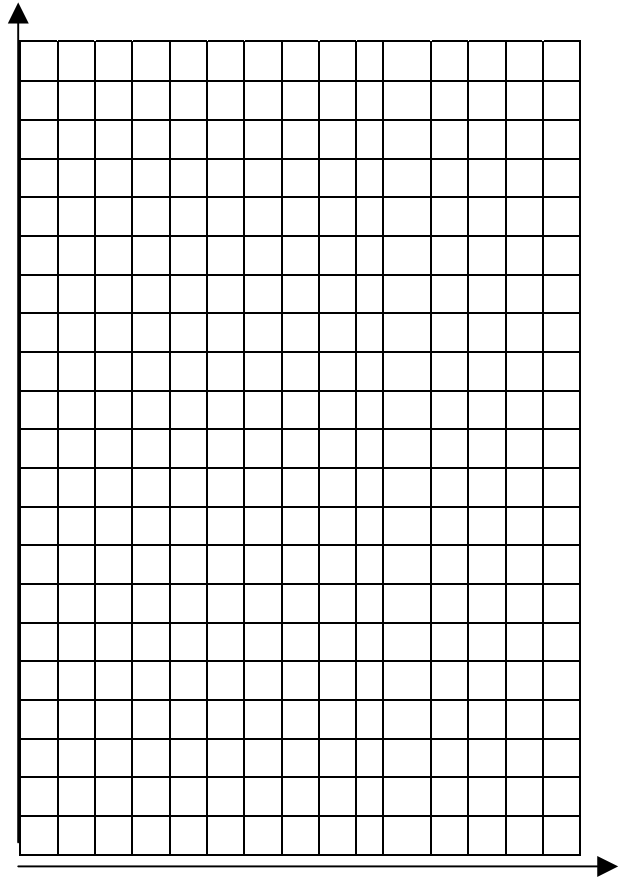


Table



| |
|--|
| |
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Graph



Name 3 things someone can learn from looking at your graph?