

1. The distance from your house to the college is 10 miles. How far is that in kilometers?
2. The ice in a glacier moves 1 meter/day, how many kilometers does it move in a year?
3. IVCC is located on a bluff overlooking the Illinois River. The normal elevation of the river is 450 feet, the elevation of the college is 600 feet, and the distance to the river is 750 feet. What is the slope in feet per foot and feet per mile?
4. A rock layer dips into the ground at an angle of 30 degrees, the surface exposure of the layer is 100 feet wide. How thick is the rock layer?
5. A canyon at Starved Rock is 1000 feet long, 200 feet wide, and 120 feet deep. The canyon began eroding when glaciers left the area approximately 12 million years ago. How quickly is the canyon eroding?
6. Plot the following points on the graph. Does there appear to be a relationship?

| Grade | Days absent |
|-------|-------------|
| A | 0 |
| A | 1 |
| B | 1 |
| A | 2 |
| B | 2 |
| C | 2 |
| B | 3 |
| C | 3 |
| F | 3 |
| C | 4 |
| D | 5 |
| D | 6 |

