Construction Math
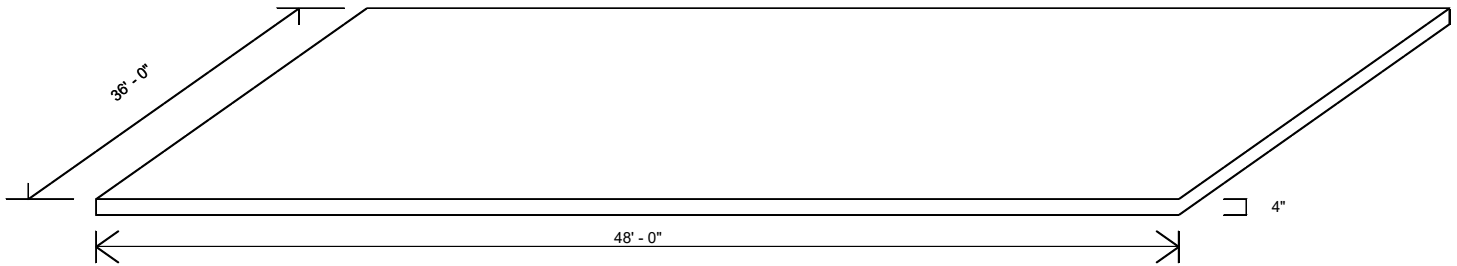**Geometry**
Cubic Conversions

Make the following calculations. **<u>SHOW YOUR WORK!</u>**

1. Your need to order concrete for the floor slab of a house your company is building. The house is forty-eight feet long and thirty-six feet wide. The floor slab will be four inches thick.

    A. How many *square feet* will the floor be?

    B. How many *cubic feet* of concrete will be required?

    C. How many *cubic yards* of concrete will you need to order?

2. On the same job, you are building forms for concrete steps. They need to be three feet wide and one foot, nine inches tall. Each step will be eleven inches deep and seven inches high. **Show (draw dashed lines) how you will divide the steps to make your calculations.**

    A. How many *cubic feet* of concrete will be required?

    B. How many *cubic yards* of concrete will you need to order?