Scale Drawings

Scale Drawings are types of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ relationships. When given a scale drawing problem, identify the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and use it to find the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\*You always want to set your unit rate up so that the units you are looking for are in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Examples:**

1. A map has a scale of 2 cm equal to 75 miles. If two cities are 11 cm apart on the map, how far apart are they in miles?

How should we set up our unit rate?

2. The floor plan of a house was drawn using a scale of 3 cm: 4 ½ m. Find the actual length of the living room if it is 5 cm on the drawing.

How should we set up our unit rate?

3. On a map, ½ cm equals 65 km. If China and New Sweden are 4.5 cm apart on the map how far apart are they really?

4. The floor plan of a house is drawn using a scale of in = 8 ft. What is the length of the basement if it is 2.5 inches long on the floor plan?

5. On the blueprints of a house, the master bedroom has dimensions 4 in by 5 ½ inches. If the scale of the prints is ¾ in = 3 ft, what are the actual dimensions of the master bedroom?