**Homework for Section 7.1/7.2**

Page 323-324 #4 Scale factor = scaled diagram

 original

 #5 Copy the chart…add a third column “Side length of Scale Diagram”

 Scale Diagram length = original x Scale factor

|  |  |  |
| --- | --- | --- |
| **Length original/Width original** | **Scale Factor** | **Scaled diagram length x width** |
| 17.5 cm by 12.5 cm |  |  |
| 17.5 cm by 12.5 cm |  |  |
| 17.5 cm by 12.5 cm |  |  |
| 17.5 cm by 12.5 cm |  |  |
| 17.5 cm by 12.5 cm |  |  |

 #6 Chart

#8 You will need to measure the diameter in millimeters

Scale factor = Scaled measurement

 Original[actual]

 #11 [a] Make a Chart

|  |  |  |
| --- | --- | --- |
|  | S.F = Long side scaled long side original | S.F Short side scaled short side original |
| AOriginal [yellow] |  |  |
| BOriginal [yellow] |  |  |
| COriginal [yellow] |  |  |
| D]Original [yellow |  |  |

#14 Draw to scale. Measure the original sides then draw a scaled diagram that is 2.5 times the size of the original

**Page 329-330**

 #4 [fraction to a decimal]

 #5 Scale factor = scaled diagram

 Original

#6 Copy chart. Add third column Scale factor…MAKE SURE MEASUREMENTS ARE IN THE SAME UNITS!!! [100 cm= 1 m…… 1 km=1000m]

#8. Use a chart similar to #11[a] page 324

#11 [a-e] Scaled diagram measurement = original x scale factor