**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 |
| A  Original [yellow] |  |  |
| B  Original [yellow] |  |  |
| C  Original [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

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#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