This assignment is...	
Is Good to go	**Needs Corrections**

Name:

Date:

Make sure to show all of your work! You will be asked to make corrections if steps are not shown.

1. Solve for x.

   a. $\dfrac{x}{8} = \dfrac{15}{7}$

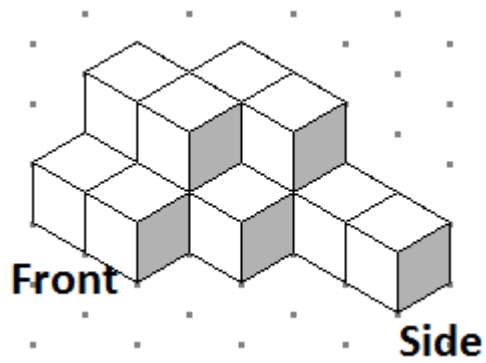   b. $\dfrac{9}{x} = \dfrac{5}{4}$

c. $\dfrac{145}{16} = \dfrac{78}{x}$

2. The West Coast Trail measures 75 kilometres. If a map is drawn with a scale of 2cm : 5 km, how long with the trail be on the map?
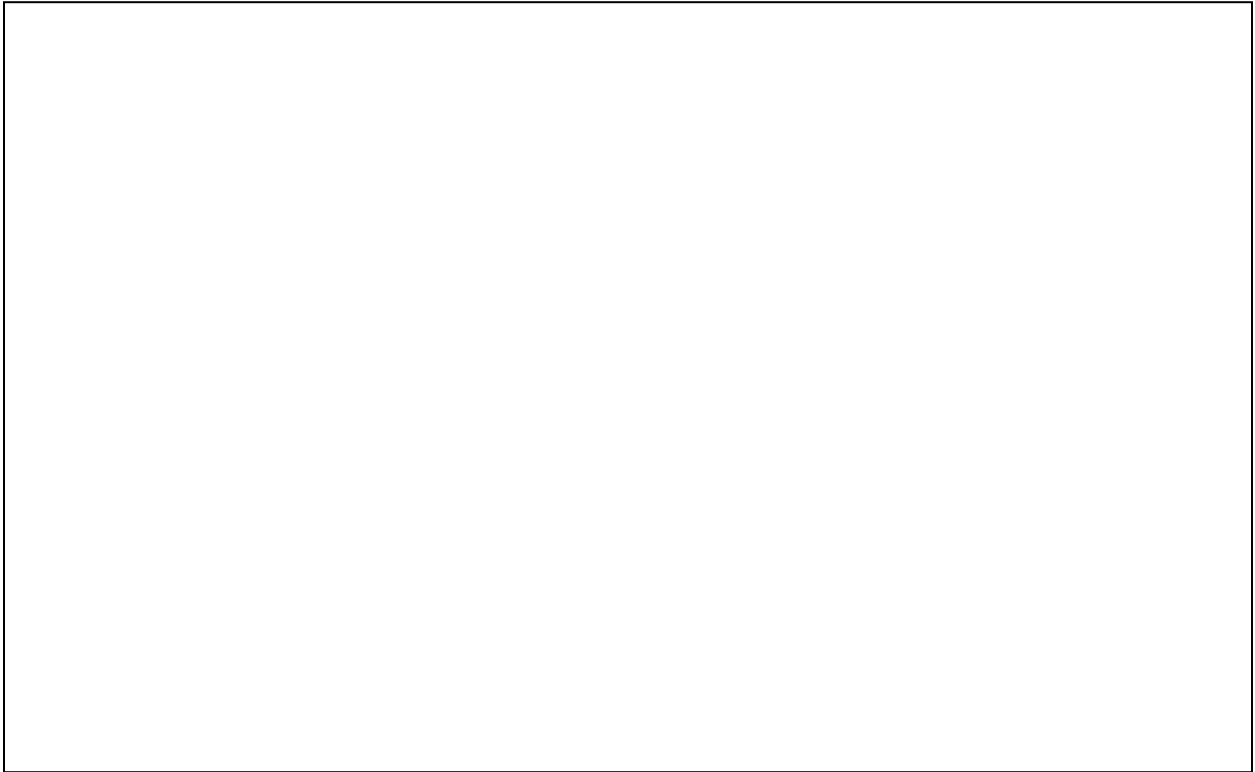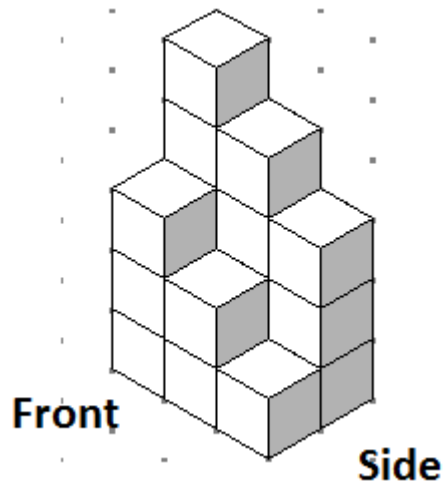
3. What is the scale factor if a 8.9 m object appears as 6.5 cm in a picture?

4. Draw the front view and the side views for these sets of blocks, do you have enough information about each to draw the top view of each set?:
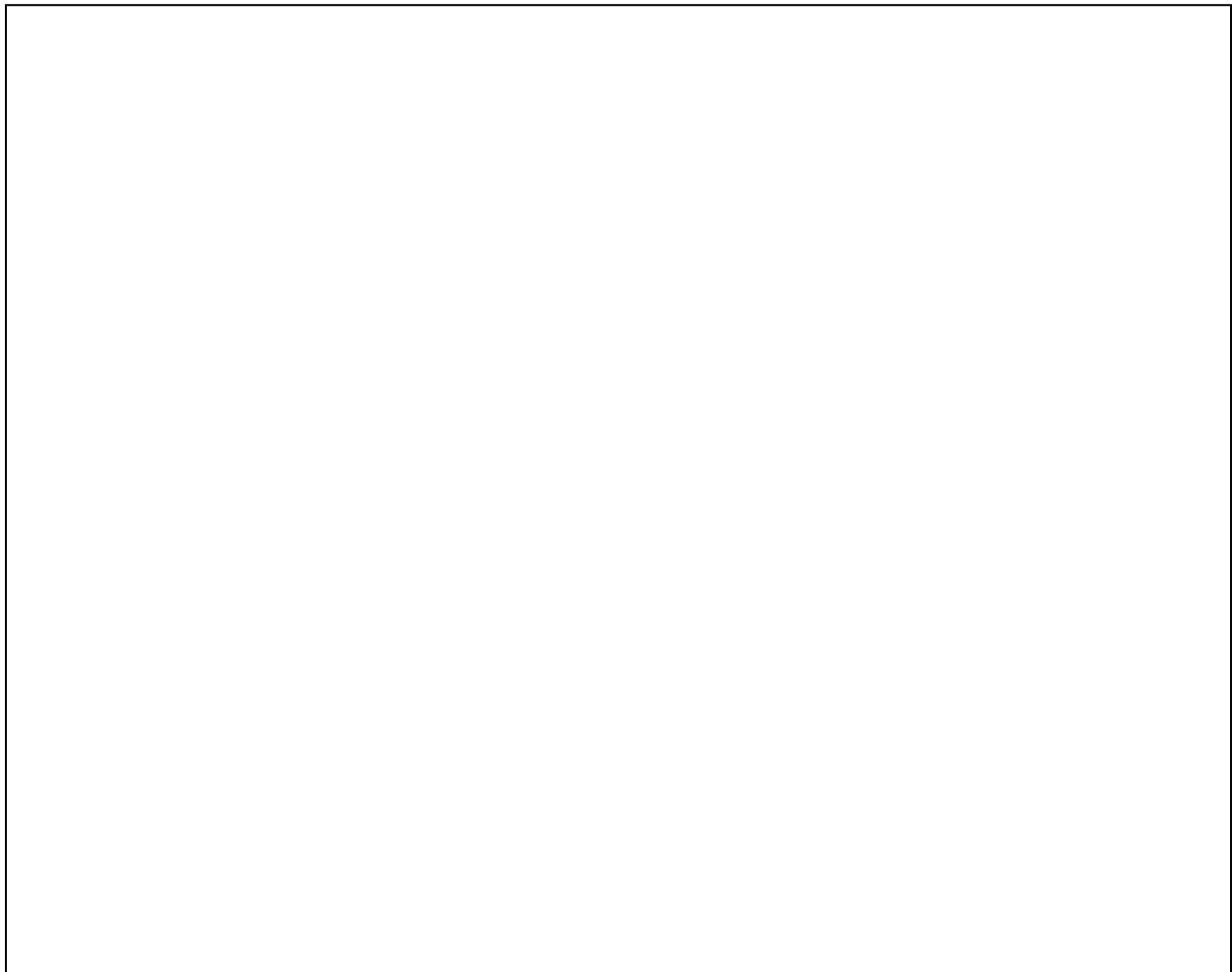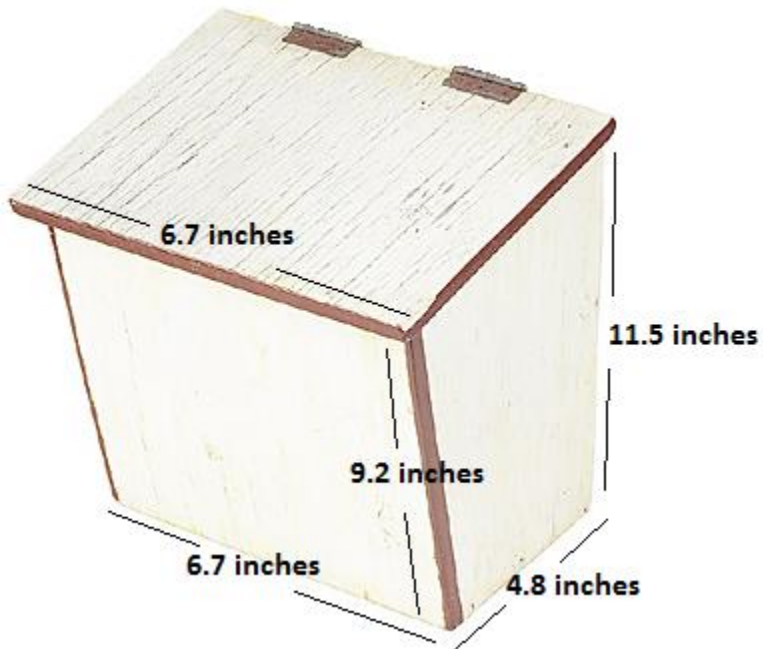
   a.

b.

Front

Side

5. Sketch the top, front and side views of this mailbox. Label the dimensions.

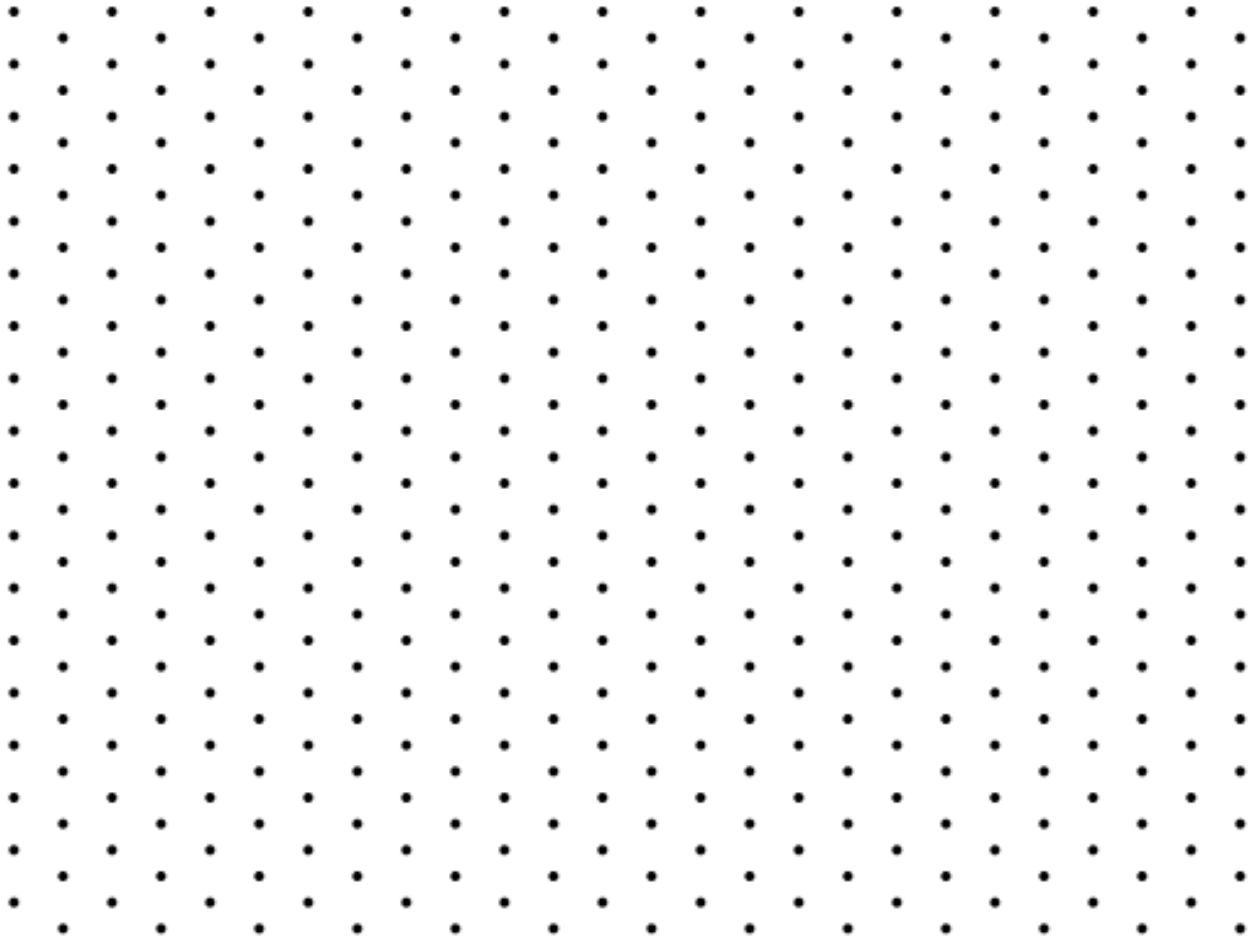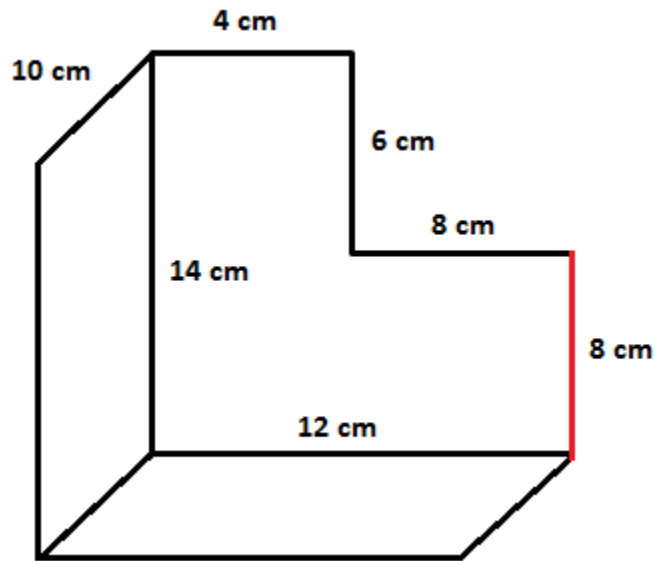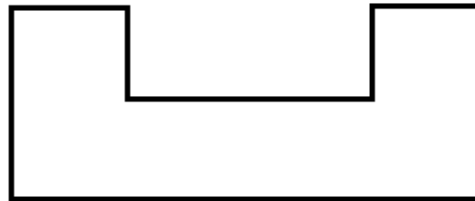6. Draw the component parts of this chair. Label the dimensions.

7. Draw the shape below as an isometric drawing. Use the indicated edge as your starting line. Make sure to state your scale.
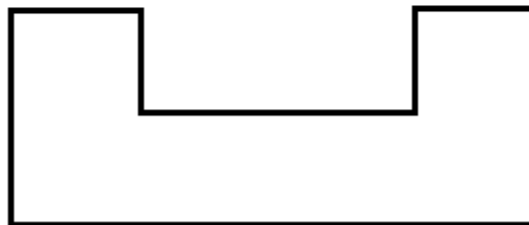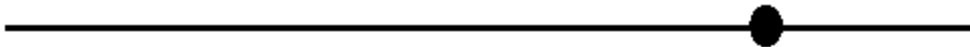

4 cm

10 cm

6 cm

8 cm

14 cm

8 cm

12 cm

8. Draw a perspective drawing given the front face of the polygon using the two different vanishing points. Do your perspective drawings look the same? Why or why not?

   a.

   b.

9. Draw and exploded diagram of the following shelf.