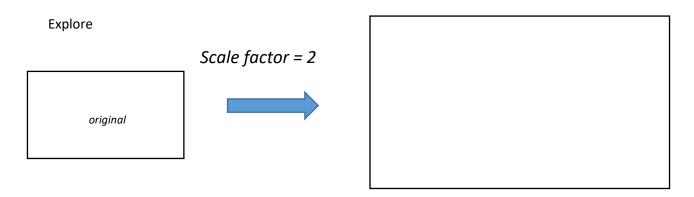
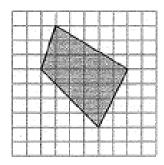
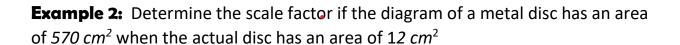
8.4 - Scale Factors and Areas of 2-D shapes



Area of similar 2D shape =

Example 1: Determine the area of the quadrilateral, to the nearest tenth of a square unit after it is reduced by a scale factor or ¼.





Example 3: A computer screen measures 35 cm by 55 cm. An image of the computer projected onto a whiteboard with a screen area of 7328 cm^2 . Determine the length and width of the whiteboard.

Example 4: A grass field costs $$0.60/m^2$$ to maintain each month. A model shows a 1:1500 scale for the actual field. You budget \$20 000/year for maintenance. Can you afford the field?

