Part 2 – Drawing a Scale Diagram (5 marks)  

Name __________________

Check out an explanation of Sutherland’s Welcome Pole  
https://www.youtube.com/watch?v=4QEYYggKzUM

You will be choosing an image from the internet that could be included on a welcome pole. Research native designs that you wish to use from this website only: http://abed.sd79.bc.ca/curriculum-resources/coast-salish-image-library/ . Click “classroom support”, then “coast Salish Image Library”. Be sure to choose an image that has an explanation of what the image represents.

Give a clear explanation in writing as to why you chose the design and what it represents. Explain why it makes sense for your design to be on a Welcome Pole below. Print of your design.

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Take a screen shot of your image and shrink it down to fit in the box below. Glue it onto this page.

Next, see Mrs. Johns to roll the dice to determine your scale factor. My scale factor is _____ ._____.
Using this scale factor, sketch your design. Be sure to show your calculations. Level of difficulty of your chosen design will be taken into account.
Hints: Measure your image for length and width
Multiply the length and width by the scale factor to find the dimensions of the finished product.
Construct a grid if it helps you.

Example:
Original picture

3 cm tall

4 cm wide

Scale factor 2.3
New measurements
3 \times 2.3 = 6.9 \text{ cm}
4 \times 2.3 = 9.2 \text{ cm}