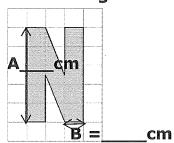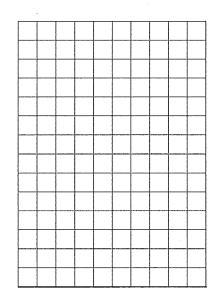# Enlargements and Reductions Worksheet

1. Use a scale factor of 2 to enlarge the letter.   Label the dimensions of A and B in the actual diagram and on the corresponding lines in your drawing.
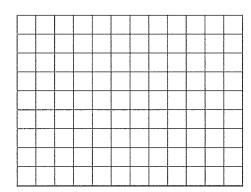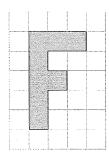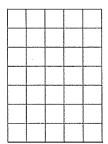
   0.5 cm grids

   A_____cm

   B =_____cm

2. Draw an enlargement of the flag using a scale factor of 3.

   Czech Republic
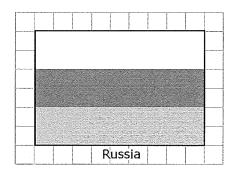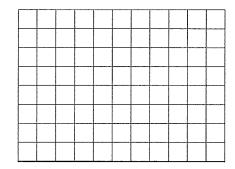
3. Draw an image using a scale factor of 0.5 (or ½).

Name: _____ Date: _____

4. Draw a reduction of the flag using a scale factor of 0.5. *Label the **dimensions** of the original diagram and the new drawing.* **Grids 0.5 cm**

Russia

5. The small fish has been enlarged. Circle the scale factor that was used.
EQUAL TO 1 or GREATER THAN 1 or LESS THAN 1.
Give 1 reason for your answer.

_____

_____

6. Is **Figure B** a reduction of **Figure A**? Why?
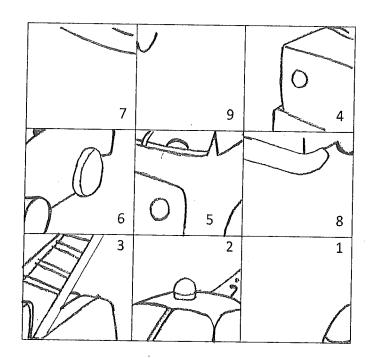
Figure A   Figure B

7. What is the scale factor used to create an image that is the same size as the original image? _____

Copy the lines in each box on top on the same numbered boxes on the bottom to draw your own image.

7	9	4
6	5	8
3	2	1

1	2	3
4	5	6
7	8	9