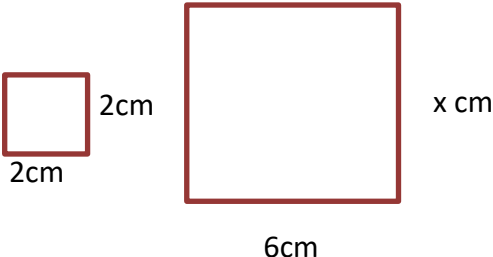
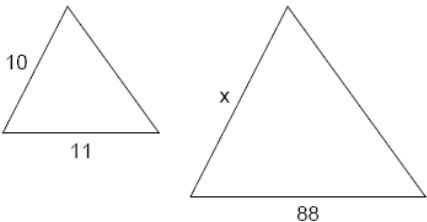
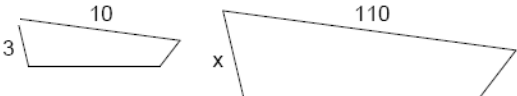
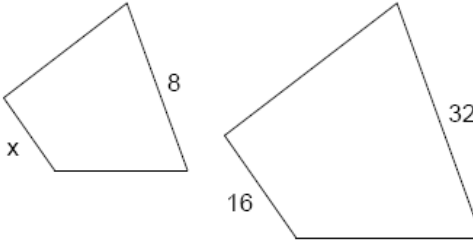
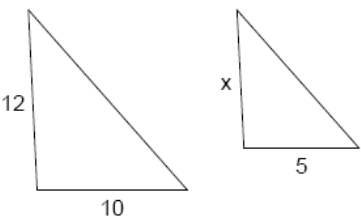
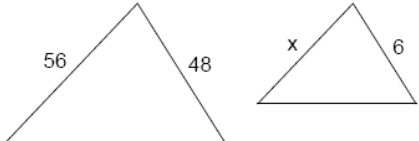


## LO: To solve problems using a scale factor

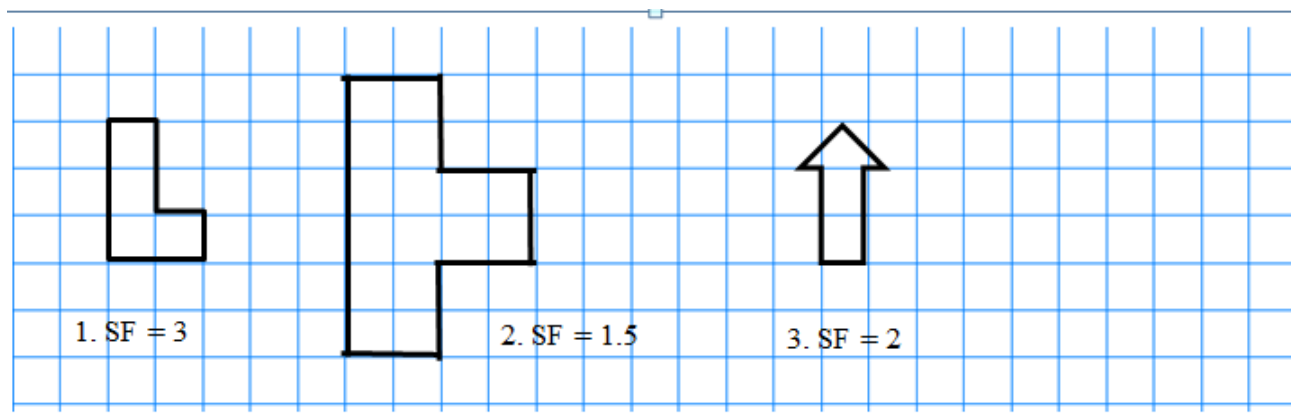
### Exercise 1: Calculating scale factor and finding missing values

For each shape, determine the scale factor from shape A to B and the value of  $x$ .

- 1)  2)  3) 
- 4)  5)  6) 

### Exercise 2: Drawing shapes with different scale factors.

Draw the shapes with their given scale factors



Challenge. Draw a rectangle  $6 \times 2$  squares. Enlarge it by a scale factor of 2. Does its area double?

Repeat with other scale factors. Is there a relationship between scale factor and area?