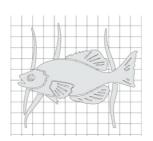


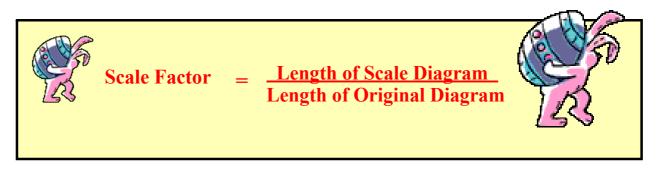
Scale Diagrams:





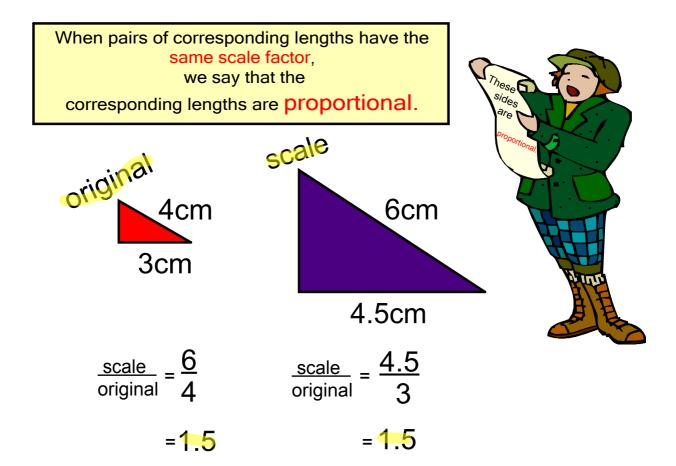
A diagram that is an enlargement or reduction of another diagram.

The measurements in each diagram are compared.



The scale factor can be written as a fraction or decimal.

If the scale factor is less than one, the diagram is a reduction, larger than one indicates the diagram is an enlargement.





This photo of longhouses has dimensions 9 cm by 6 cm.

The photo is to be enlarged by a scale factor of $\underline{7}$. Calculate the dimensions of the enlargement.



original



scale

Sometimes you are only given the scale diagram.... A scale may be given as a ratio.

The scale on this scale diagram of a house is 1:150.

This means that 1cm on the diagram represents 150 cm or 1.5m on the house.

How wide is the actual house??

