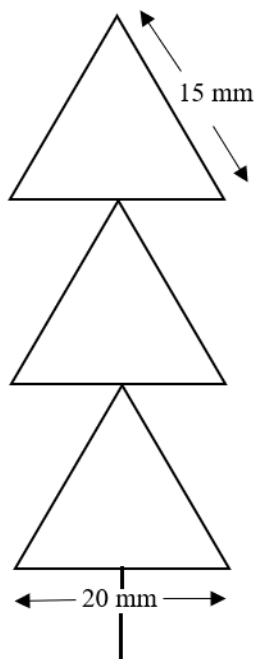


# Length and scale factor

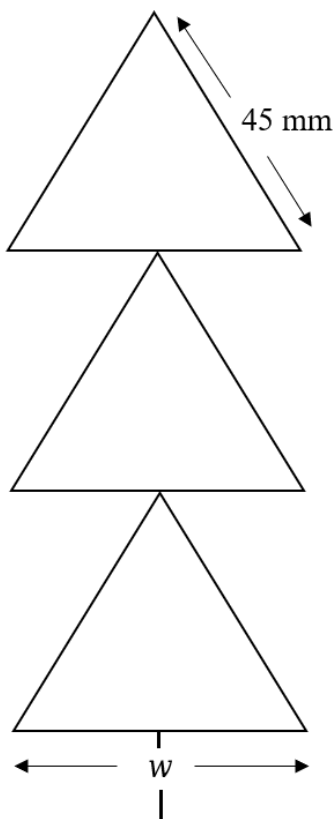
Ben was designing his own Christmas wrapping paper. He enlarged his original drawings on to the wrapping paper. For each shape he drew, find

1. the scale factor of the enlargement, and
2. the length of the marked side.

Original Drawing



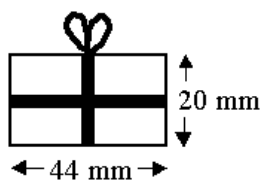
Enlarged Drawing



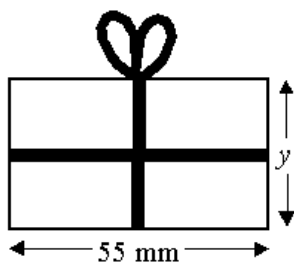
scale factor =

length of  $w$  =  mm

Original Drawing



Enlarged Drawing

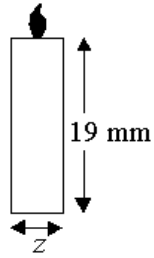
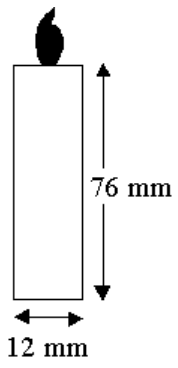


scale factor =

length of  $y$  =  mm

Original Drawing

Enlarged Drawing

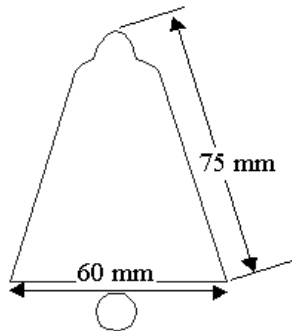
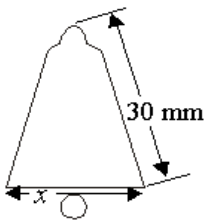


scale factor =

length of  $z$  =  mm

Original Drawing

Enlarged Drawing



scale factor =

length of  $x$  =  mm