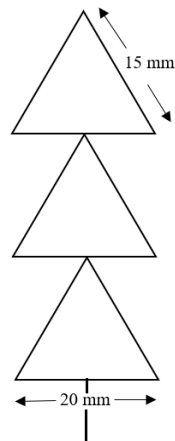


# Length and scale factor

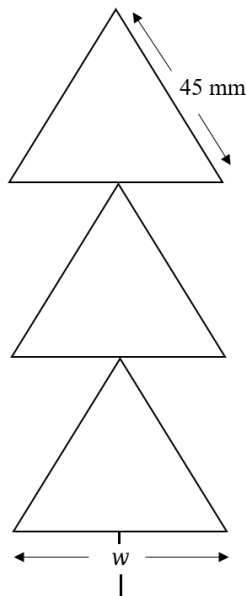
Ben was designing his own Christmas wrapping paper. He enlarged his original drawings on to the wrapping paper. For each shape he drew, find

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

Original Drawing



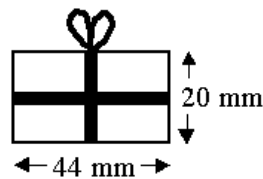
Enlarged Drawing



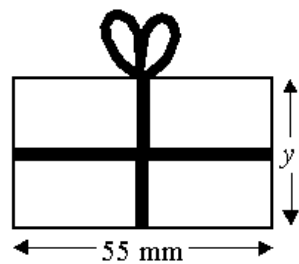
scale factor =

length of  $w$  =  mm

Original Drawing



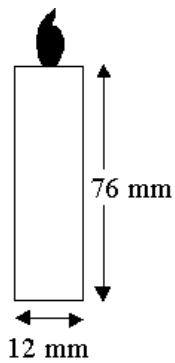
Enlarged Drawing



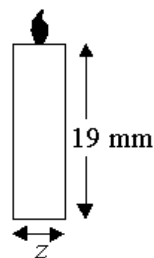
scale factor =

length of  $y$  =  mm

Original Drawing



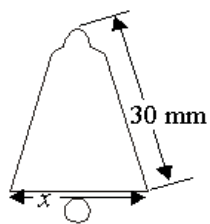
Enlarged Drawing



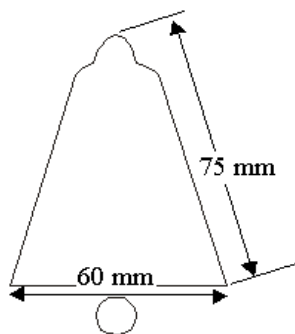
scale factor =

length of  $z$  =  mm

Original Drawing



Enlarged Drawing



scale factor =

length of  $x$  =  mm

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