

Year 9A and 9B CA 1(Scale Drawings)

- 1) The scale drawing length of 4 centimeters represents the corresponding length of 5 meters on the real object. Work out the scale that has been used and write it in its simplest form.
- 2) Simplify 9:270 to its lowest term.
- 3) The height of a building is 32 m. If the height of the scale drawing of the building is 4 cm, find the scale used.
- 4) If two similar squares have sides 3 cm and 12 m, find the scale used in getting the smaller square.
- 5) When the value of n is less than 1, the scale drawing is _____ than the object.
- 6) When the value of n is more than 1, the scale drawing is _____ than the object.
- 7) When the value of n is equal to 1, the scale drawing is _____ as the object.
- 8) Two similar diagrams have sides 20 m and 5 cm. Find the scale of the scale drawing.
- 9) The height of a building on a scale drawing is 8 cm. If the actual height of the building is 80 m, what is the scale used?
- 10) Are similar shapes the same as congruent shapes? Say YES or NO.