Unit 111: Roofing occupations

# Worksheet 6: Double lap tiles (learner)

1. For the tile shown below, calculate the batten gauge. Show your working out.

265mm

165mm

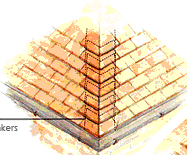
1. Explain the purpose of the tile shown in the drawing below and identify where it is more commonly used in relation to areas of roofs.
2. Identify the minimum side lap when applying plain tile to hips and valley roof surfaces.
3. Explain the differences between single-lap and double-lap tiling.
4. Identify the required overhang at the eaves when applying plain tiles and explain why this is important.
5. Explain the purpose of a tile nib.
6. What nail fixings should be used to all eaves tiles, first course tiles, and tiles and a half?
7. Explain why a hip iron is used and the method of fixing.
8. Explain the reason the gauge can change for vertical surfaces for plain tiles.
9. Identify the recommended batten size, required when applying plain tiles to pitched roof surfaces.
10. Identify the minimum recommended lap a ridge should cover the top course of plain tiles.
11. Identify the recommended ratio of mortar mix when working with plain tiles.
12. Identify why you use a batten located at the centre of a hip leg when applying bonnet and arris hip tiles to plain tile roof surfaces.



1. Name the component shown below, used in the application of plain tiles at hips.



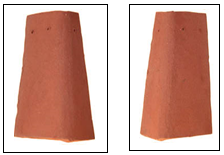
1. List the types of defects that may be found in battens.
2. Identify the process of fixing a hip leg with plain tiles.



1. The drawing below shows a plain tile valley using individual pre-made valley tiles; identify the method of ensuring the valley tiles are fixed in place preventing movement.



1. Explain the advantages of dry roofing systems (ridge, verge etc.) compared to more traditional methods of mortar.
2. List three different types of application for weathering a hip leg in plain tiles and explain how each one is fixed.
3. Identify where on a roof you would use the two tiles below and explain why there is a RH and LH version.



1. What gauge can plain tiles be expanded to when tiling a vertical surface?