

Learner Self-reflection – 12938 (v5) Lay paving blocks as a BCATS project

Student name:

1. Calculate the volume of materials required for the following:

Area to be paved measures 6.2m x 3.4m

Base course laid to depth of 150mm (bulking factor of 15%)

Bedding sand laid to depth of 50mm (bulking factor of 5%)

Pavers measure 150 x 150 x 40mm

Material	Amount required

2. Calculate the volume of excavated material, plus a bulking factor of 20%, for an area measuring 6m x 3.5m with a total depth of excavation of 240mm. Show your working.

3. What method is used to determine whether a sub-grade is weak?

4. What size particles should the base course material have if the base course layer is 90mm?

5. Give 3 examples of laying patterns.

1.

2.

3.

6. What methods can be used to compact pavers once they are laid?