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

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| **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

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| **Material** | **Amount required** |
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1. 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.

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

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

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1. Give 3 examples of laying patterns.

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| 1.  2.  3. |

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

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