# Activity – 12938 (v4) Lay paving blocks as a BCATS project

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| **Student name:** |

1. Calculate the volume of materials required for the following project. Show your workings.

Area to be paved measures 6.200m x 3.400m

Base course laid to depth of 0.150m (bulking factor of 15%)

Bedding sand laid to depth of 0.050m (bulking factor of 5%)

Pavers measure 0.150 x 0.150 x 0.040m

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| **Material**  | **Amount required** |
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1. **Complete the order form your teacher gives you**.
2. Calculate the volume of excavated material, plus a bulking factor of 20%, for an area measuring 6 metres x 3.5 metres with a total depth of excavation of 240mm. Show your workings.

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

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