# Learner Self-reflection – 12933 (v5) Complete minor concrete works as a BCATS project

|  |
| --- |
| **Student name:** |

1. What are the three methods of producing concrete?

|  |
| --- |
| 1.  2.  3. |

1. What is builder’s mix and how is it obtained?

|  |
| --- |
|  |

1. What are the three main ingredients of concrete?

|  |
| --- |
| 1.  2.  3. |

1. Calculate the volume of concrete to a depth of 70mm for a path 15 metres long and 1.5 metres wide.

|  |
| --- |
|  |

1. When excavating an area for placing concrete, what are 2 things you need to allow for?

|  |
| --- |
| 1.  2. |

1. Why do you need to check the alignment of the pegs holding the formwork?

|  |
| --- |
|  |

1. How do you compact hardfill and why?

|  |
| --- |
|  |

1. When mixing concrete, why is it important to accurately measure the proportions of each ingredient?

|  |
| --- |
|  |

1. What is formwork and why is it used?

|  |
| --- |
|  |

1. Why should water be lightly sprayed over the entire area within the boxing before laying concrete?

|  |
| --- |
|  |

1. How and why do you compact concrete?

|  |
| --- |
|  |

1. How can you produce a non-slip surface on concrete?

|  |
| --- |
|  |

1. Name 4 ways that concrete could be kept wet during the curing period.

|  |
| --- |
| 1.  2.  3.  4. |

1. Briefly explain why concrete needs to be cured.

|  |
| --- |
|  |