

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.

2. What is builder's mix and how is it obtained?

3. What are the three main ingredients of concrete?

- 1.
- 2.
- 3.

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

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

- 1.
- 2.

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

7. How do you compact hardfill and why?

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

9. What is formwork and why is it used?

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

11. How and why do you compact concrete?

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

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

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

14. Briefly explain why concrete needs to be cured.