**Activity 3 Worksheet: Calculating unit rates**

Calculate the three different unit rates included in the extracts from the Bill of Quantities (BoQ) shown below.
In industry, the calculation of unit rates is known as building-up unit rates.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | Description | Quantity | Unit | Unit rate | Total |
| a | Foundation excavation not exceeding 2 m deep. |  | m3 |  |  |
| b | A142 mesh reinforcement 2.22 kg per m2, minimum 300 mm side and end laps.  |  | m2 |  |  |
| c | One brick wall in type B facings, in 1:1:6 mortar, pointed both sides as the work proceeds. |  | m2 |  |  |

**Item a**

Using the information provided on the Activity 3 Reference sheet calculate the unit rate for:

Foundation excavation not exceeding 2 m deep.

(Hint: You will need an excavator, an excavator driver and a banksman)

**Item b**

Using the information provided on the Activity 3 Reference sheet calculate the unit rate for:

A142 mesh reinforcement 2.22 kg per m2, minimum 300 mm side and end laps.

(Hint: You will need A142 mesh, spacer block/chairs, tie wire and a steel fixer)

**Item c**

Using the information provided on the Activity 3 Reference sheet calculate the unit rate for:

One brick wall in type B facings, in 1:1:6 mortar, pointed both sides as the work proceeds.

(Hint: You will need bricks, mortar, a bricklayer and a labourer)