The Garden Wall

Task Statement 1

A homeowner is building the raised-bed garden shown in the plan.

A new concrete block wall will connect to an existing garden wall, and the space in between will be filled with soil to grow plants.

The homeowner is doing all the work and buying all the materials.

How much does the homeowner spend to make the garden?

The Garden Wall

Task Statement 2

A homeowner is building the raised-bed garden shown in the plan.

A new concrete block wall will connect to an existing garden wall by stacking concrete blocks, without mortar, and the walled space will be filled with garden soil. The concrete blocks have dimensions 8 inches by 8 inches by 16 inches.

The wall will be topped by capstones with dimensions 8 inches by 2 inches by 16 inches.

The homeowner is doing all the work and buying all the materials. What is the cost of the materials?

The Garden Wall

Task Statement 3

A homeowner is building the raised-bed garden shown in the plan.

A new concrete block wall will connect to an existing garden wall by stacking concrete blocks, without mortar, and the walled space will be filled with garden soil. The concrete blocks have dimensions 8 inches by 8 inches by 16 inches.

The wall will be topped by capstones with dimensions 8 inches by 2 inches by 16 inches.

Concrete blocks cost $1.50 each. Capstones $1.00 each. Garden soil costs $36 per cubic yard.

The homeowner is doing all the work and buying all the materials. What is the cost of the materials?