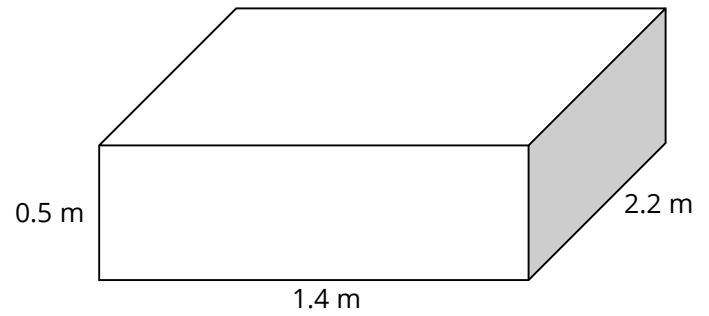


Possible Solutions



To figure out how much dirt is needed to fill the garden frame, find the volume of the frame. Recall that B represents the area of the base, which can be found by multiplying the length of the frame by the width of the frame. Multiply that value by the height of the frame to get the volume.

$$V = l \times w \times h$$

$$V = 1.4 \times 2.2 \times 0.5$$

$$V = 3.08 \times 0.5$$

$$V = 1.54$$

Lupe will need 1.54 cubic meters of dirt

$$V = B \times h$$

$$B = 1.4 \times 2.2 = 3.08$$

$$V = 3.08 \times 0.5$$

$$V = 1.54$$

Lupe will need 1.54 cubic meters of dirt