

## Y5 Mastery Questions – Volume 1

Shape A has a height of 12 cm. Shape B has a height of 4 cm. Dora says Shape A must have a greater volume.

Is she correct? Explain your answer.

Amir, Whitney and Mo all build a shape using cubes. Mo has lost his shape, but knows that its volume was greater than Whitney's, but less than Amir's.

Amir's

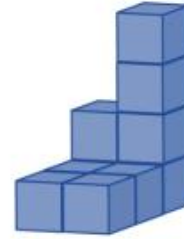


Whitney's

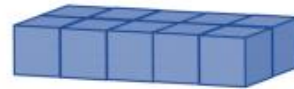


What could the volume of Mo's shape be?

Eva has built this solid:



Tommy has built this solid:



Eva thinks that her shape must have the greatest volume because it is taller. Do you agree? Explain your answer.