

## Josh's shells and pebbles

Josh has a box with dimensions 40 cm x 30 cm x 30 cm full of shells and pebbles he has collected.

He wants to put them in the back of a cupboard where there is a space with a base area of 25 cm x 35 cm.

If he is to make a new box to fit all the shells and pebbles in, to fit in this space, what is the minimum height this box should be?

