

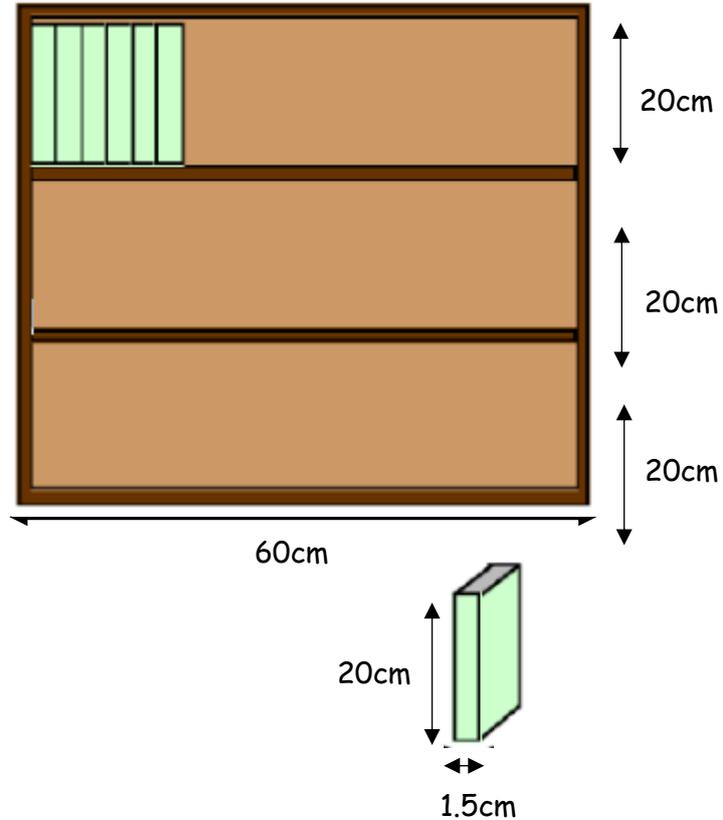
## Shelf Packing

1. DVDs are being packed into a unit of shelves. The dimensions are given below:

(a) How many DVDs can be packed into the unit when they are packed vertically (standing up)?

(b) How many can be packed when the DVDs are packed horizontally (shown below)?

(c) Explain what is the best way to store the DVDs so that the maximum number can be stored?



2. Books are being packed into a unit of shelves. The dimensions are given below:

(a) How many books can be packed into the unit when they are packed vertically standing up?

(b) How many can be packed when the books are packed horizontally (shown below)?

(c) Explain what is the best way to store the books so that the maximum number can be stored?

