This task is about working out the area and volume of a carton.

Volume = area of cross section × length



Here are two views of a carton of cream.

Calculate the **area** of the vertical cross section (show your working).

a)

The **area** = $_$ cm²

Calculate the volume of the cream carton (show your working).

b)

The **volume** = $_$ cm³

Calculate the **volume** of air in the carton when it has 300 ml of cream in it*(show your working)*.

c)

The **volume** of air = $_$ cm³