

Find the surface area of this object formed by 1cm wide cuber.

Top:		
. ()		

Botton: 8



Right: [] 4



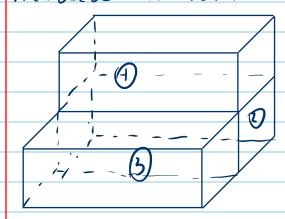
Bach: DD 6

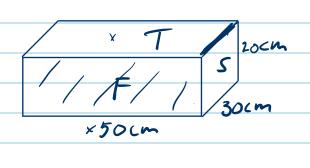


B: Count all faces of labe, multiply by # of auber. Subtract TWICE the shared area.

$$= 24 - 2.3$$
  
=  $24 - 6$   
=  $18 \text{ cm}^2$ 

2) A chair constructed by 3 pieces of foam. Each piece of foam is a rectangular prism with dimensions 50cm by 30cm by 20cm. How much fabriz is needed to cover the chair?





Prism: Top + Bottom 50cm × 30cm × 2 = 3000cm<sup>2</sup> Left + Right 20cm × 30cm × 2 = 1200cm<sup>2</sup> Front + Bach 50cm × 20cm × 2 = 2000cm<sup>2</sup>

SA of 3 prisms: 3(6200 cm²) = 18,600 cm²

Subtract the shared areas: 50cm·20cm.2

-2000 cm -3000 cm

50cm ,30cm ,2

(13,600cm²

Practice 5-11