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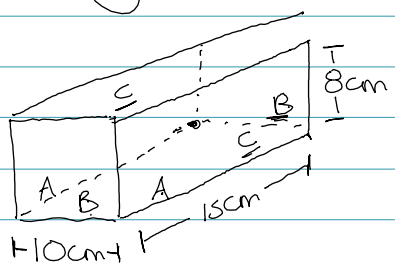
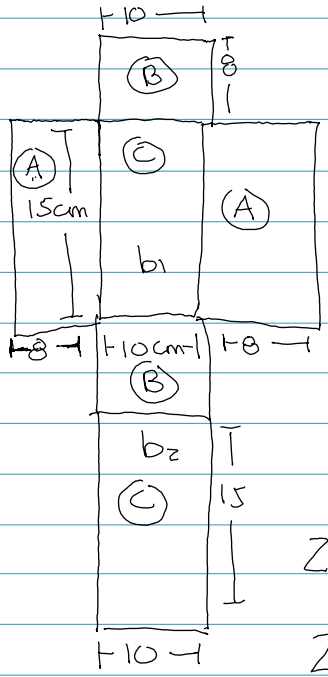
Ex 1 Find the surface area of this right rectangular prism





$A_1 + A_2 + B_1 + B_2 + C_1 + C_2$

$2A + 2B + 2C$

$A = 8 \cdot 15 = 120\ cm^2$

$cm \cdot cm = cm^2$

$B = 8 \cdot 10 = 80\ cm^2$

$C = 10 \cdot 15 = 150\ cm^2$

$2A = 2 \cdot 120 = 240\ cm^2$

$2B = 2 \cdot 80 = 160\ cm^2$

$2C = 2 \cdot 150 = 300\ cm^2$

$SA = 700\ cm^2$

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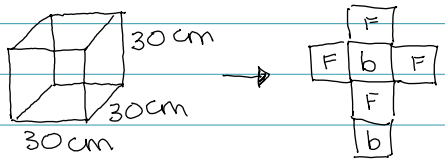
Ex 2 : What is the S.A. of a cube?



b = F ∴ 6 equal 'Faces'

6 · Area of 1 Face

Area of 1 Face/Base = $30 \cdot 30 = 900\ cm^2$

$6 \cdot 900 = 5400\ cm^2$

S.A. = $5400\ cm^2$

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HW: 6, 7

7.5 (workbook)