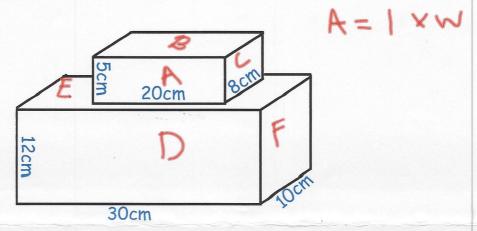
## Surface area of composite rectangular prisms:

Find the surface area of the following object.



 $A_A = 20 \text{cm} \times 5 \text{cm} = 100 \text{cm}^2 \times 2 = 200 \text{cm}^2$   $A_B = 20 \text{cm} \times 8 \text{cm} = 160 \text{cm}^2 \times 2 = 320 \text{cm}^2$   $A_C = 8 \text{cm} \times 5 \text{cm} = 40 \text{cm}^2 \times 2 = \frac{480 \text{cm}^2}{600 \text{cm}^2}$   $A_D = 30 \text{cm} \times 12 \text{cm} = 360 \text{cm}^2 \times 2 = 720 \text{cm}^2$   $A_E = 30 \text{cm} \times 10 \text{cm} = 300 \text{cm}^2 \times 2 = \frac{400 \text{cm}^2}{1560 \text{cm}^2}$   $A_F = 12 \text{cm} \times 10 \text{cm} = 120 \text{cm}^2 \times 2 = \frac{4240 \text{cm}^2}{1560 \text{cm}^2}$ Overlaps:

which side is overlapped? B overlap = Bx2 = 160cm²x2 = 320cm²