

Name

Date



# SURFACE AREA OF A CUBOID SHEET 1

Use the measurements to find the surface area of these closed cuboids.

	WORKING OUT	AREA
1)		
2)		
3)		
4)		
5)		
6)		

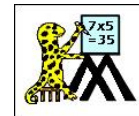


Free Math sheets, Math games and Math help

[MATH-SALAMANDERS.COM](http://MATH-SALAMANDERS.COM)

Name

Date



# SURFACE AREA OF A CUBOID SHEET 1 ANSWERS

Use the measurements to find the surface area of these closed cuboids.

	WORKING OUT	AREA
1)	Surface area of a cuboid = $2lw + 2lh + 2wh$ $= 2 \times 12 \times 5 + 2 \times 12 \times 7 + 2 \times 5 \times 7$ $= 120 + 168 + 70 = 358 \text{ cm}^2$	$358 \text{ cm}^2$
2)	Surface area of a cuboid = $2lw + 2lh + 2wh$ $= 2 \times 6 \times 8 + 2 \times 6 \times 3 + 2 \times 8 \times 3$ $= 96 + 36 + 48 = 180 \text{ in}^2$	$180 \text{ in}^2$
3)	Surface area of a cuboid = $2lw + 2lh + 2wh$ $= 2 \times 18 \times 5 + 2 \times 18 \times 8 + 2 \times 5 \times 8$ $= 180 + 288 + 80 = 548 \text{ cm}^2$	$548 \text{ cm}^2$
4)	Surface area of a cube = $6s^2$ (where s is the length of a side) $= 6 \times 12^2 = 6 \times 144 = 864 \text{ cm}^2$	$864 \text{ cm}^2$
5)	Surface area of a cuboid = $2lw + 2lh + 2wh$ $= 2 \times 15 \times 3 \frac{1}{2} + 2 \times 15 \times 9 + 2 \times 3 \frac{1}{2} \times 9$ $= 105 + 270 + 63 = 438 \text{ in}^2$	$438 \text{ in}^2$
6)	Surface area of a cuboid = $2lw + 2lh + 2wh$ $= 2 \times 1 \frac{1}{2} \times 3 + 2 \times 1 \frac{1}{2} \times 5 \frac{1}{2} + 2 \times 3 \times 5 \frac{1}{2}$ $= 9 + 16 \frac{1}{2} + 33 = 58 \frac{1}{2} \text{ m}^2$	$58 \frac{1}{2} \text{ m}^2$