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Here are three cuboids. 5









Work out how many of the smaller cuboids could fit into the larger cuboid.



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The volume of the cuboid is  $624 \text{ cm}^3$ 

Work out the surface area of the cuboid.





9 Here is a cuboid.



The identical copies of the cuboid are stacked together to make a larger cuboid.



For each statement below, tick one box.



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The five visible faces of the cuboid are to be painted. Each tin of paint can cover an area of 1  $m^2$  and costs £3.50

Work out how much it would cost to buy enough tins of paint to paint the five visible faces of the cuboid.

$$| \times 0.8 = 0.8 | (1.2 \times 1.2 = 1.2) | (1.2 \times 0.8 = 0.96)$$

$$(2 \times 0.8) + (2 \times 1.2) + (1 \times 0.96) = 4.96m^{2}$$
need 5 tins  $5 \times 3.50 = 1.17.50$ 

$$\frac{17.50}{(10 \times 10^{10} \times$$

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<b>11</b> A cube has a volume of $1000 \text{ cm}^3$			
Work out the surface area of the cube			
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Inxinyf	$5 = 60^{\circ}$	0	
	) 00		
			-
			500
<b>12</b> A cube has a surface area of 54 cm <sup>2</sup>		(Total for Question 1)	l is 3 marks)
Work out the volume of the cube.			
	0		
54 ÷ 6 =	9		
$\sqrt{9} = 3$			
3 x 3 x 3			
1st			27
		(Total for Question 1)	2 18 4 marks)

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13 Here is a cuboid.



The surface area of the cuboid is  $61 \text{ cm}^2$ 

Work out the volume of the cuboid.



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