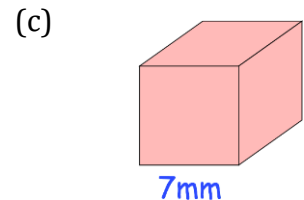
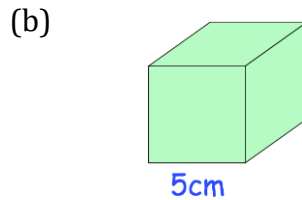
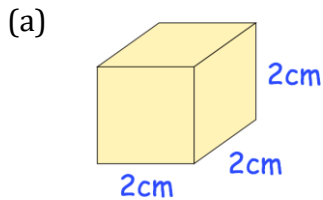


Surface Area Worksheets

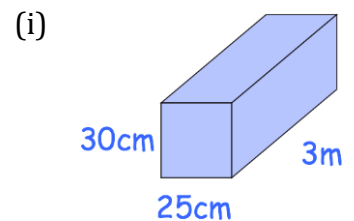
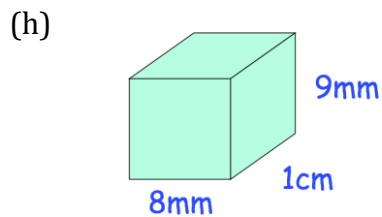
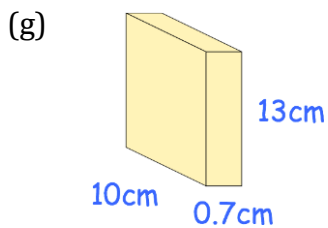
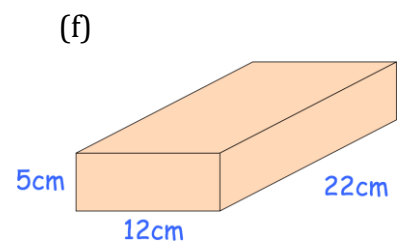
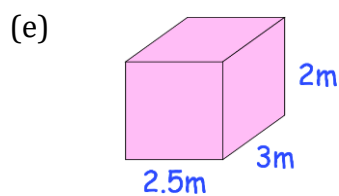
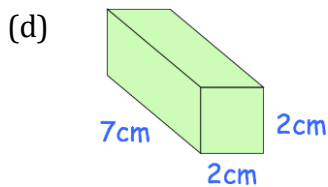
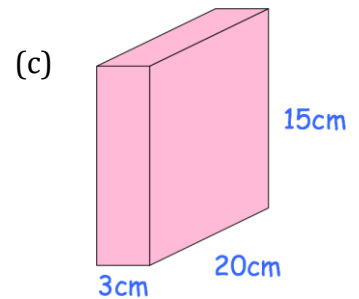
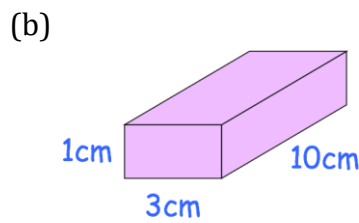
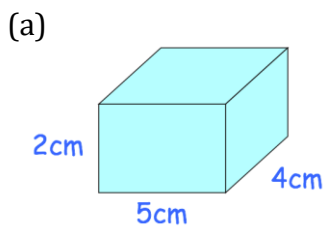
Worksheet 1 – Finding the Surface Area of Cubes and Cuboids

Exercise 1

Question 1: Work out the surface area of each of the following cubes.



Question 2: Work out the surface area of each of the following cuboids.

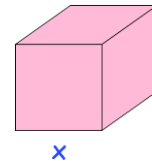


Question 3: Calculate the surface area of a cube with side length 12cm

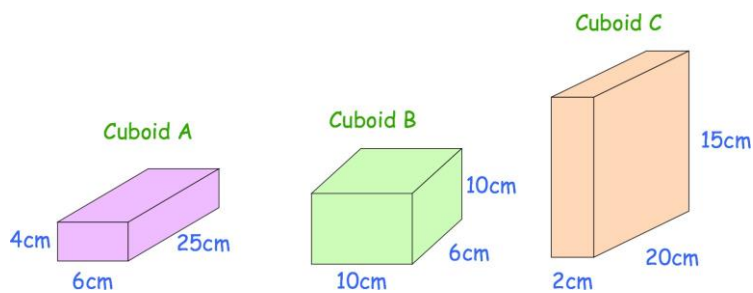
Question 4: Calculate the surface area of a cube with side length $\frac{1}{2}$ cm

Exercise 2

Question 1: A cube has a surface area of 54cm^2
Find the side length, x , of the cube

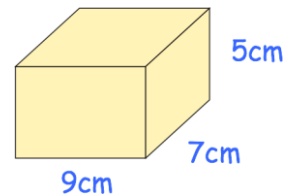


Question 2: A company is designing a new box to hold coffee.
They have 3 designs, cuboids A, B and C.
All 3 designs have the same volume of 600cm^3
The company want to choose the design with the smallest
surface area.
Which cuboid should they choose?



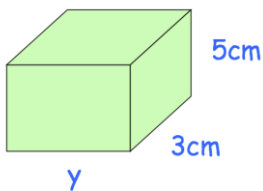
Question 3: Jamie is trying to work out the surface area of the cuboid below.
Can you spot any mistakes?

$$\begin{aligned}
 9 \times 5 &= 45 \\
 7 \times 5 &= 35 \\
 9 \times 7 &= 63 \\
 45 + 35 + 63 &= 143\text{cm}^3
 \end{aligned}$$

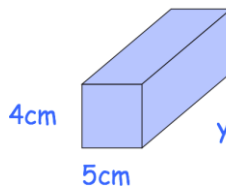


Question 4: Find y for each of the cuboids below

(a) Surface area = 158cm^2



(b) Surface area = 346cm^2



(c) Surface area = 90cm^2

