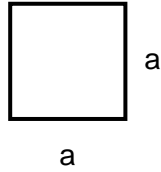


COMMONLY USED FORMULAS FOR CALCULATING SURFACE AREA

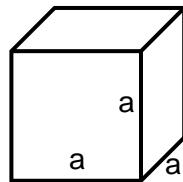
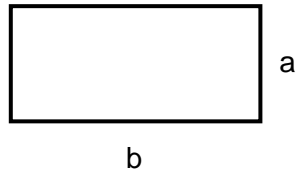


Squares and Rectangles

The areas of a square and of a rectangle are obtained by multiplying the length of one side by the length of the other

$$\text{square} = a \times a$$

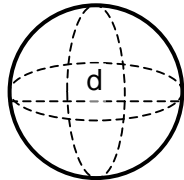
$$\text{rectangle} = a \times b$$



Cubes

A cube has 6 sides that are all identical squares. To calculate the total surface area, multiply 6 by the square of the length (a) of one of the sides

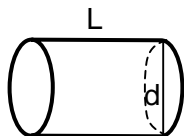
$$6 \times a \times a$$



Spheres

The surface area of a sphere is 3.1416 multiplied by the square of the diameter

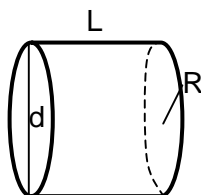
$$3.1416 \times d \times d$$



Pipes

The surface area of a pipe is 3.1416 multiplied by the diameter (d) and by the length (L)

$$3.1415 \times d \times L$$



Cylindrical Tanks

The surface area consists of the cylindrical shell plus the top and bottom area

$$[3.1416 \times d \times L] + [2 \times (3.1416 \times R \times R)]$$