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
square = a \times a
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 cylindric shell plus the top and bottom area
\[3.1416 \times d \times L] + [2 \times (3.1416 \times R \times R)]