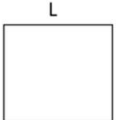
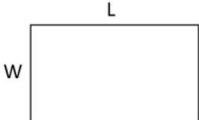
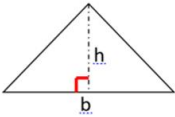
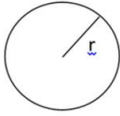
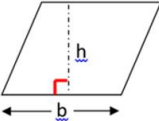
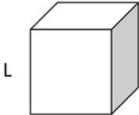
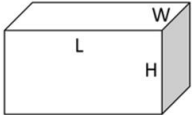


Topic 11: Area/Volume

1) **The Formulae:** (Note the ones with an asterisk next to them are **NOT** in the Tables)

<p>Square:</p>  <p>Area = L^2 *</p> <p>Per = $4L$ *</p>	<p>Rectangle:</p>  <p>Area = $L \times W$ *</p> <p>Per = $2L + 2W$ *</p>	<p>Triangle:</p>  <p>Area = $\frac{1}{2} b \times h$</p>	<p>Circle:</p>  <p>Area = πr^2</p> <p>Circum = $2\pi r$</p>
<p>Parallelogram:</p>  <p>Area = $b \times h$</p>	<p>Cube / Cuboid:</p> <div style="display: flex; justify-content: space-around;"> <div>  <p>Vol = L^3 *</p> <p>TSA = $6L^2$ *</p> </div> <div>  <p>Vol = $L \times W \times H$ *</p> <p>TSA = $2LW + 2WH + 2HL$ *</p> </div> </div>		

2) **Solving Problems:**

Tips for solving Area/Volume problems:

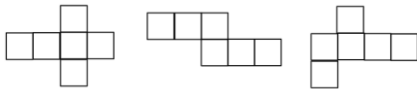
1. Draw a good-sized diagram.
2. Label and fill in all information given.
3. Identify the shapes in the question.
4. Write down relevant formulae for those shapes.

3) **Nets:**

➤ The **net**, of a particular shape, is a flat surface that, when folded, can be made into that shape.

a) Nets of Cubes:

➤ There are 11 nets for a cube. Some are shown below.



b) Net of a Cuboid:

