

Subject	Maths
Unit/Topic	Year 11 – Multiplicative Reasoning

Key Vocabulary	Definition
Scale Factor	Describes how much a shape has been enlarged
Enlargement	Increases or decreases the size of a shape. The new shape (image) is a similar shape.
Similar	Shapes that are enlargements of one another. Corresponding angles are equal, and lengths are in the same ratio.
Direct Proportion	The relationship between two quantities such that as one increases so does the other.
Inverse Proportion	The relationship between two quantities such that one increases in proportion as the other decreases.
Density	A measure of how much matter is in a certain volume. Density = mass/volume.
Mass	The amount of matter in an object. Measured in grams, kilograms etc. Mass = Density x Volume.
Volume	The amount of 3-dimensional space a shape takes up
Pressure	The physical force exerted by an object. Pressure = force/area.
Force	Either push or pull. An imbalance of forces makes an object move.
Area	The amount of shape inside the perimeter of a 2D shape.