



Mathematics – Y9 Term 3

What are we learning this half-term?

Proportion

- Understanding the concepts of direct proportion and inverse proportion
- Determine whether two quantities are in direct proportion or inverse proportion from a graph, a table or an equation connecting the two quantities.
- Solving practical problems involving direct proportion and inverse proportion.

Volume and Surface Area of Pyramids & Cones

- Visualise the idea of surface areas of pyramids and cones using nets
- Find the surface areas and volumes of pyramids and cones
- Find the surface areas and volumes of composite solids involving prisms, cylinders, pyramids & cones

Resources you can use at home

Hegarty Maths

[BBC Bitesize - Direct & Inverse Proportion](#)

[BBC Bitesize - Perimeter, Area & Volume](#)

Optional home learning tasks

Hegarty Maths – Tasks 339 – 348 (Proportion)

Hegarty Maths – Tasks 576 – 579, 587 (Volume & Surface Area of Pyramids & Cones)