STAGE 9:

UNIT 4 Proportional Reasoning

KEYWORDS AND DEFINITIONS





NOTATION

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Kilograms per metre cubed is written as 10 kq/m^3 . Newtons per metre squared is written as 11 N/m². Metres per second is written as m/s. 12

Kilometres per hour is written as Km/h. 13

CORE SUCCESS CRITERIA

14	Know the difference between
15	Recognise direct (Inverse) proportion in a situation
16	Know the features of a graph that represents a direct (Inverse) proportion situation
17	Know the features of an expression (or formula) that represents a direct (inverse) proportion situation
18	Understand the connection between the multiplier, the expression and the graph
19	Know the meaning of congruent (Similar) shapes
20	Identify congruence (similarity) of shapes in a range of situations
21	Identify the information required to solve a problem involving Similar shapes
22	Finding missing lengths in similar shapes
23	Understand why speed, density and pressure are known as compound units
24	Know the definition of density (pressure, population density, speed)
25	Solve problems involving density (pressure, speed)
26	Convert between units of density