

GCSE Revision: Direct and Inverse Proportion

GCSE Tier: Higher

Target Grade: 6-7



- 1) y is proportional to x^2 when $y = 18$ and $x = 3$.
Find an equation for y in terms of x .

-
- 2) When a stone is dropped, its speed, v , is proportional to the square root of the distance, d , it has fallen. $v = 14 \text{ ms}^{-1}$ when $d = 10 \text{ m}$
(a) Find the formula for v in terms of d .

(b) Calculate the distance the stone has fallen when its speed is 28 ms^{-1}

-
- 3) $S \propto \frac{1}{R}$ and $S = 29.6$ when $R = 4.5$.
Find S when $R = 7.2$.

Gcse Maths Questions And Answers

Yicheng Fang



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