

12th October

Corbettmaths

Which of these is a geometric progression?

4, 6, 8, 10, 12

4, 8, 16, 32, 64

4, 6, 10, 16, 24

4, 7, 12, 19, 28

C is the point (6, -3)
D is the point (9, -12)

Does the point E(-17, 66) lie on the straight line passing through CD?

A rectangular field is 30m longer than it is wide.
The area of the field is 5000m²
Calculate the width and length of the field.

Donation	Frequency
$0 < d \leq 5$	44
$5 < d \leq 10$	35
$10 < d \leq 20$	16
$20 < d \leq 50$	3
$50 < d \leq 100$	2

Paul says the average donation is £10

Do you agree?
Explain your answer.

Simplify

$$\frac{x}{4} \times \frac{x-3}{2}$$