



The second term of a geometric sequence is 8.

The fourth term of a geometric sequence is 128.

Find the third term of the geometric sequence.

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 5000m<sup>2</sup>

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

$$\frac{x}{5} \times \frac{x+8}{3}$$