

25th August

Corbettmaths

The first three terms in a sequence are

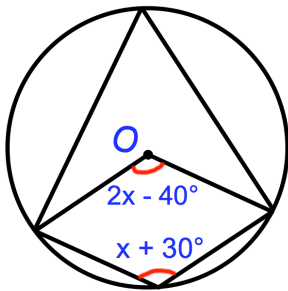
$$\frac{5}{9}, \frac{11}{14}, \frac{17}{19}, \dots$$

Write down the n th term for the sequence

$$f(x) = 4x - 1 \quad g(x) = x^2$$

for all values of x .

Work out the range of $fg(x)$



Work out the size of x

There are 28 women and 14 men on a coach.

Two women are going to be chosen at random to complete a survey.

How many different pairs can be chosen?

Angle θ is obtuse and

$$\cos\theta = -\frac{3\sqrt{5}}{9}$$

Work out the value of $\sin\theta$