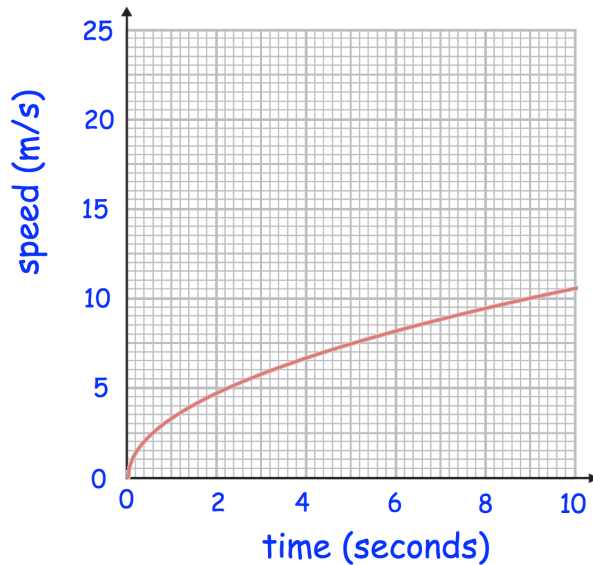


3rd March

Corbettmaths



Shown is the first 10 seconds of the journey of a car

Work out an estimate for the distance the car travels in these 10 seconds

Is your answer an underestimate or an overestimate?
Explain your answer.

Prove the sum of four consecutive odd numbers is always a multiple of 8.

There are 20 passengers on a flight from London to Paris.
60% of the passengers are from England. The rest are from France.
Four passengers are chosen at random to complete a survey.

Calculate the probability that all four passengers are French.

Find where the tangent to the circle $x^2 + y^2 = 20$ at the point $(4, -2)$ meets the y-axis.