

# Sixth Form Pop Maths Quiz

Saturday 7th March 2020 at Liverpool John Moores University

## What is a Pop Maths Quiz?

The Pop Maths Quiz is a team competition that runs a bit like a Pub Quiz but without any alcohol! Teams consist of 4 students (under 19 years) who, during the Quiz, work as a team to attempt to solve a number of questions on a wide range of mathematical topics. Not all questions require specific A-level maths knowledge but all questions have a mathematical flavour.

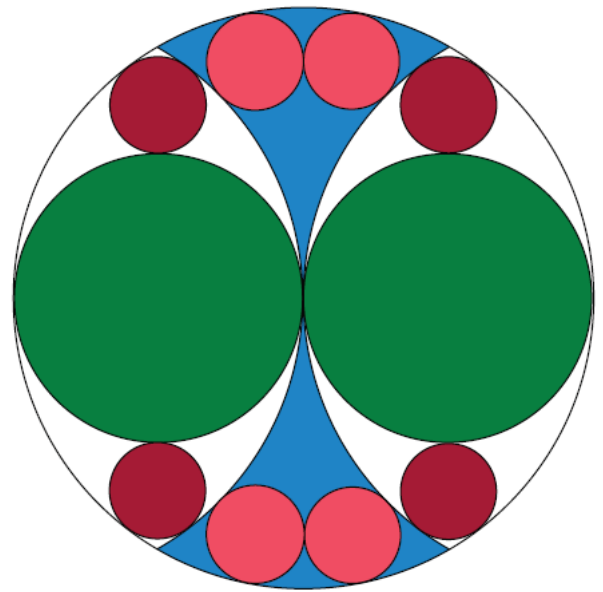
### For example:

The outer circle has radius 12 cm.

What is the radius of the dark red circles?

### Another example:

Sam gets a train followed by a bus to school. The probability that the bus is on time is 0.8, the probability that both are late is  $\frac{5}{100}$ . If the bus is on time, then the train is 5% more likely to be late than if the bus is late. What is the probability exactly one mode of transport is late?



## Everyone gets a certificate and prizes are awarded on the day

Register your interest now by completing the online form:

<https://form.jotformeu.com/33561834391356/>

or by visiting the LivMS webpage

<http://www.livmathssoc.org.uk/cgi-bin/sews.py?PopMathsQuiz>

or by email to Barry Grantham [granthb47@gmail.com](mailto:granthb47@gmail.com)



The Sixth Form Pop Maths Quiz is organised by Liverpool Mathematical Society and is sponsored by Liverpool Mathematical Society, Liverpool John Moores University and WH Smith Ltd.