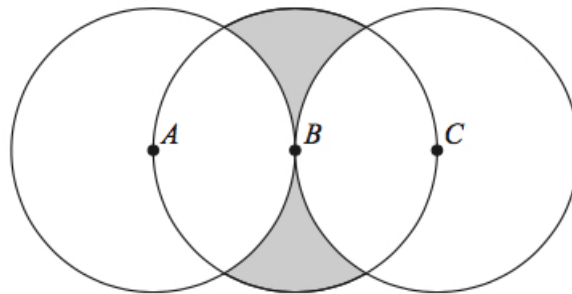# Dr Oliver Mathematics
Worked Examples
Shaded Area 5

From: Edexcel GCSE Mathematics 2022 Paper 1H (Non-Calculator)

1. The diagram shows three circles, each of radius 4 cm. (5)

   The centres of the circles are A, B, and C such that ABC is a straight line and

   $$AB = BC = 4 \text{ cm}.$$

   .

   Work out the total area of the two shaded regions.
   Give your answer in terms of π.