

# Dr Oliver Mathematics

## Worked Examples

### Mensuration 3

**From:** IGCSE 2012 June Paper 3H Q13: Calculator

1. The diagram shows two congruent regular pentagons and part of a regular  $n$ -sided polygon **A**. (5)

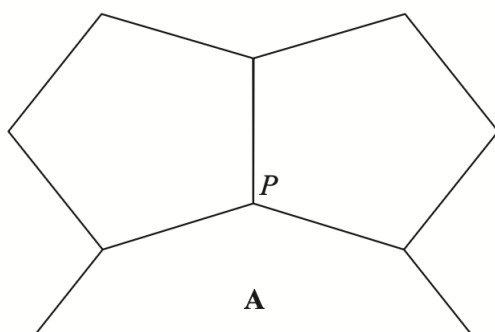


Diagram **NOT**  
accurately drawn

Two sides of each of the regular pentagons and two sides of **A** meet at the point  $P$ .

Calculate the value of  $n$ .  
Show your working clearly.