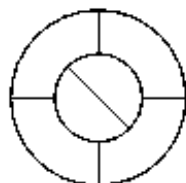




2. The diagram shows 6 regions. Each of the regions is to be painted a single colour, so that no two regions sharing an edge have the same colour. What is the smallest number of colours required?

A 2 B 3 C 4 D 5 E 6



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2. **B** There are points on the diagram, such as *A*, where the edges of three regions meet, so three or more different colours are required. A colouring with three colours is possible as shown, so the smallest number of colours required is three.

