Mathematical Problem Solving
GCSE example
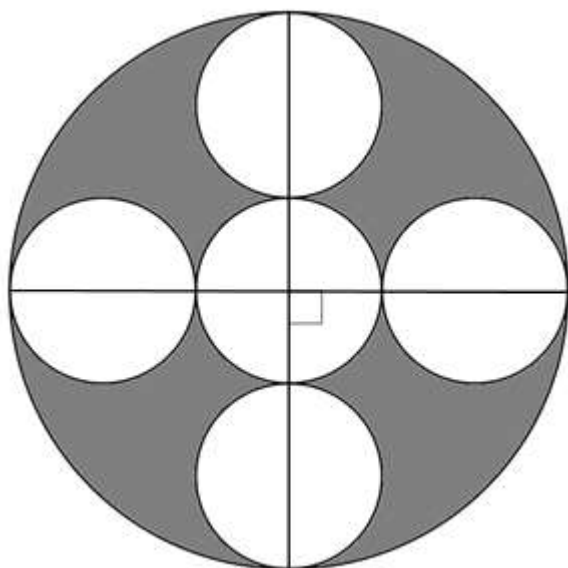
Example 25

Five identical small circles are drawn inside one large circle as shown in the diagram.

The centres of the small circles all lie on one or both of the diameters shown.

The diameters are at 90° to each other.

Find the fraction of the large circle that is shaded.