DEPARTMENT OF MATHEMATICS
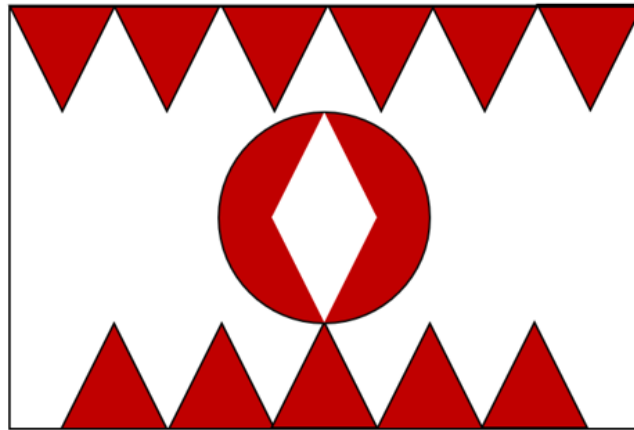# PROBLEM SOLVING CHALLENGE

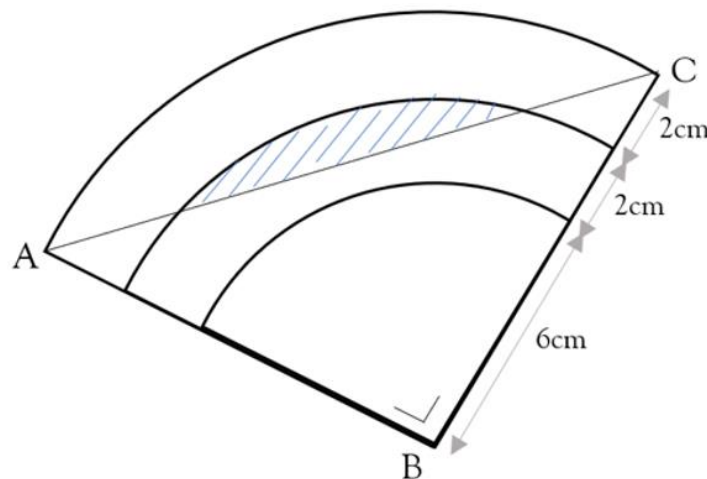**Q1.**   *Junior Cycle*

The area of one of the triangles below is $2\ cm^2$. The height and width of each triangle are equal.
If all triangles in the diagram are congruent to one another find the percentage of the rectangle which is shaded in red correct to one decimal place.

Q2.   *Senior Cycle*

Find the area of the shaded region correct to one decimal place.