

MAR 2019

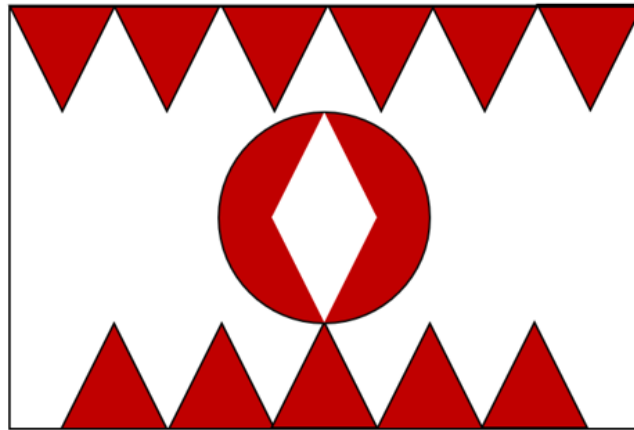
DEPARTMENT OF MATHEMATICS

PROBLEM SOLVING CHALLENGE

Q1.

Junior Cycle

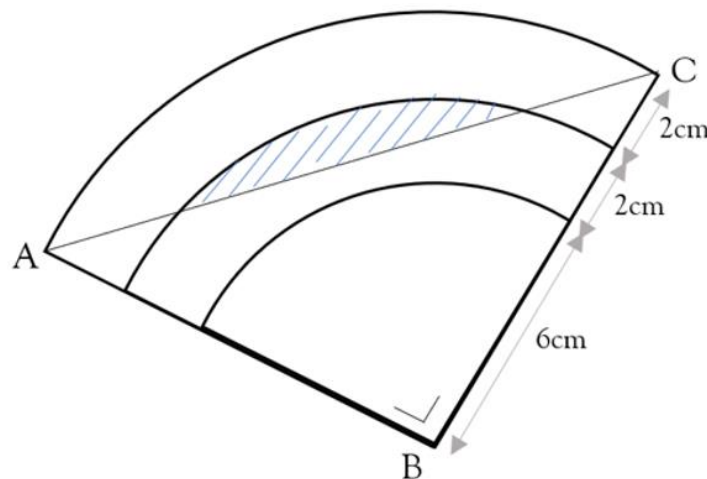
The area of one of the triangles below is 2 cm^2 . The height and width of each triangle are equal. If all triangles in the diagram are congruent to one another find the percentage of the rectangle which is shaded in red correct to one decimal place.



Q2.

Senior Cycle

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



Answers on an A4 sheet with your Name, Year and Class should be given to Mr. McManus or to Mr. McEvoy in room 33 before 4pm on Friday 29th of March.

Monthly Prize for both **Junior** and **Senior** Cycle.*

Good Luck.

Junior Cycle students answer question 1 only.

Senior Cycle students answer question 2 only.