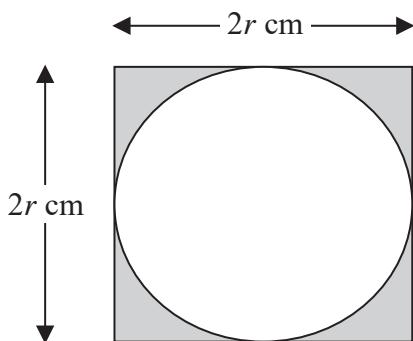


DO NOT WRITE IN THIS AREA

10Diagram NOT
accurately drawn

The diagram shows a square of side length $2r$ cm and a circle of radius r cm. Each side of the square is a tangent to the circle.

Express the area of the shaded region as a percentage of the area of the square.
Give your answer to 3 significant figures.

%

(Total for Question 10 is 3 marks)



P 4 8 4 7 5 A 0 7 2 4