10 R and T are points on a circle, centre O

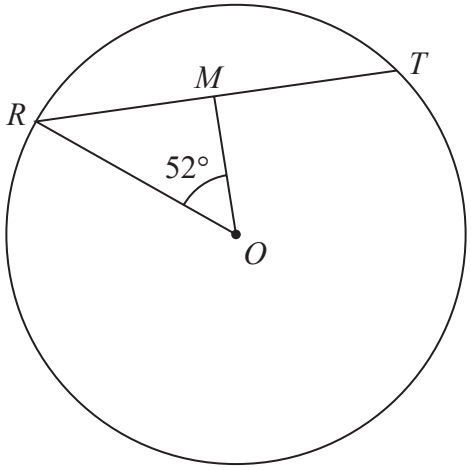


Diagram **NOT** accurately drawn

$RT = 12\,\text{cm}$
M is the midpoint of RT
Angle $ROM = 52°$

Work out the area of the circle.
Give your answer correct to 3 significant figures.

..... cm^2

(Total for Question 10 is 4 marks)

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