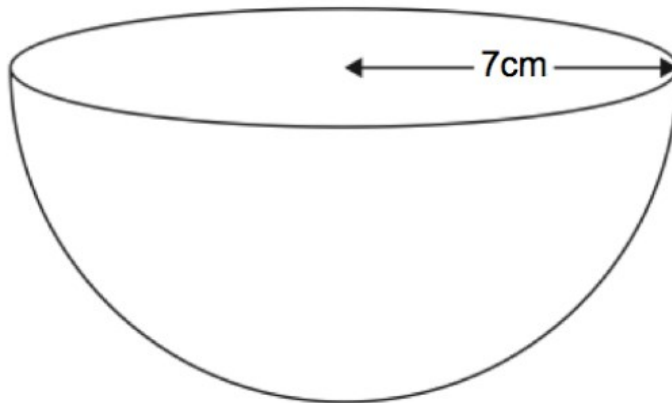


**M4 = 33 days to go!**

9 Solve  $\frac{x+3}{2} = \frac{5x}{6}$

10. Shown below is a hemisphere.

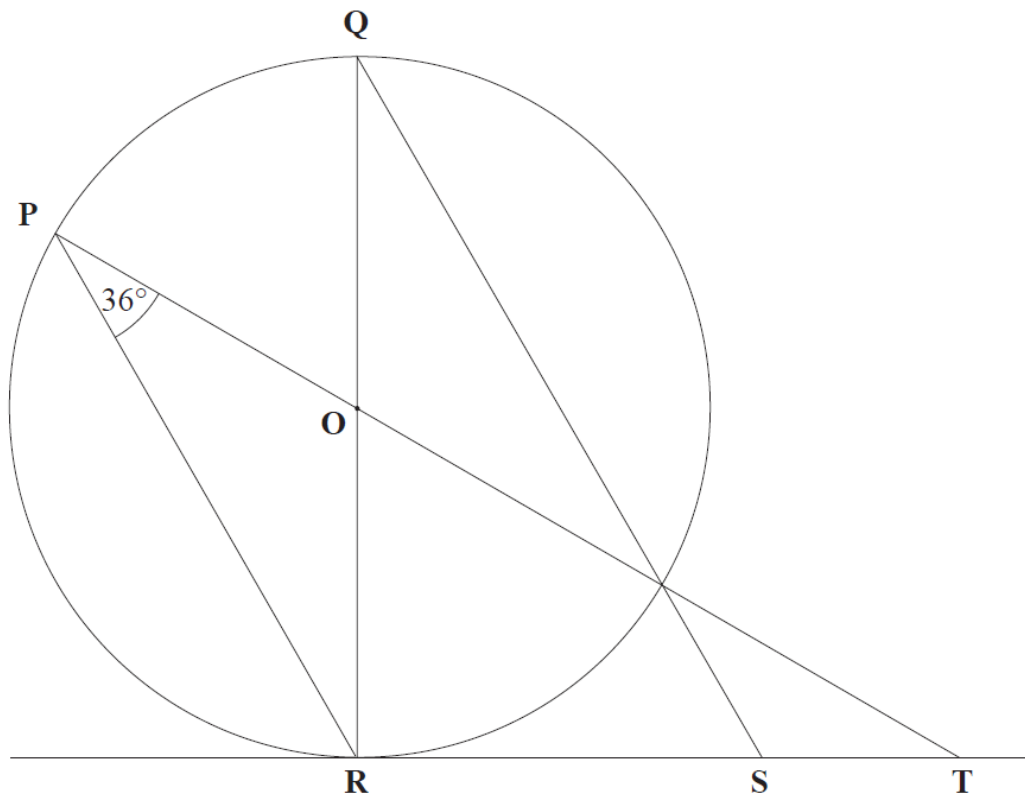


Calculate the surface area of the hemisphere.

17 (a) In the diagram shown, O is the centre of the circle.

P, Q and R are points on the circumference of the circle.

RST is a tangent to the circle.



Calculate the size of

(i) angle ROT,

Answer \_\_\_\_\_° [1]

(ii) angle OTR,

Answer \_\_\_\_\_° [1]

(iii) angle QSR.

Answer \_\_\_\_\_° [1]