23rd August

Martin says ‘There is a 30% chance of rain today.’

Tim says ‘That means there is a 70% chance of it being sunny today.’ Explain why Tim is not correct.

ABCDEFGH is a regular octagon
AQPONI and BIJKLM are congruent regular hexagons.

Find the size of the angle labelled x.

Calculate the area of this sector.

\[
\frac{1}{5} \div 2\frac{3}{4}
\]