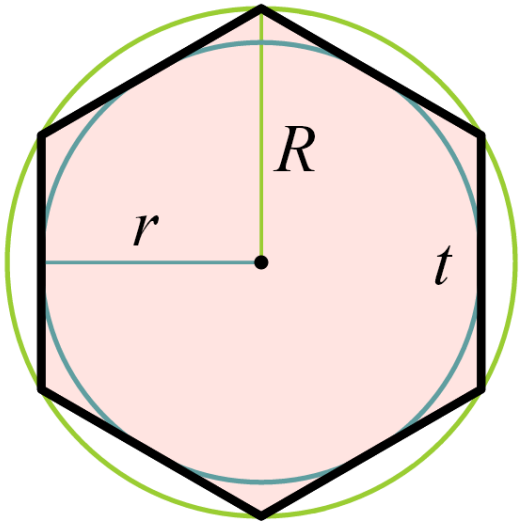
Task:

Find the sum of interior angles of a hexagon

Solution:



For any convex polygon the sum of the interior angles:

$$\sum \alpha = (n-2)\cdot 180^\circ = 4\cdot 180^\circ = 720^\circ$$

$n - (number\ of\ sides)$

$n = 6$

$\sum \alpha = (6-2)\cdot 180^\circ = 720^\circ$

Answer:

$\sum \alpha = 720^\circ$