2(i) each exterior angle of a regular polygon of 9 sides

$= \frac{360^\circ}{\text{no. of sides}}$

$= \frac{360}{9}$

$= 40^\circ$

2(ii) each exterior angle of a regular polygon of 15 sides

$= \frac{360}{15}$

$= 24^\circ$

3. no. of sides of a regular polygon

$= \frac{360^\circ}{\text{measure of each exterior } \angle}$

$= \frac{360}{24}$

$= 15$