

40) Sum of interior angles of a polygon with

$$\begin{aligned} \text{(a) 7 Sides} &= (7-2) \times 180^\circ \\ &= 5 \times 180 \\ &= 900^\circ \end{aligned}$$

$$\begin{aligned} \text{(b) 8 Sides} &= (8-2) \times 180^\circ \\ &= 6 \times 180 \\ &= 1080^\circ \end{aligned}$$

$$\begin{aligned} \text{(c) 10 Sides} &= (10-2) \times 180^\circ \\ &= 8 \times 180^\circ \\ &= 1440^\circ \end{aligned}$$

$$\text{(d) } n \text{ Sides} = (n-2) \times 180^\circ$$