

Triangles (150-1)

1. (i) Possible
- (ii) Not Possible
- (iii) Not Possible
- (iv) Possible

2. Triangle has 3 angles of same values

$$\text{Total sum of the angles} = 180^\circ$$

$$\text{So, each angle} = \frac{180^\circ}{3} = 60^\circ$$

$$\text{i.e.} = 60^\circ$$

3. $45^\circ + 75^\circ = 120^\circ$

$$= 180^\circ - 120^\circ = 60^\circ$$

$$\text{i.e.} = 60^\circ$$