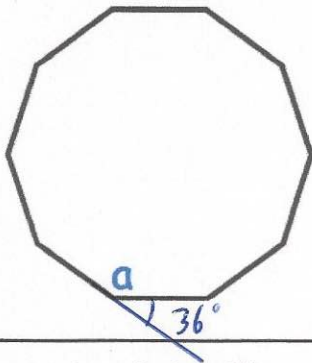


23rd September



Shown is a regular decagon. Corbettmaths



$$360 \div 10$$

$$= 36^\circ$$

Find the size of each interior angle

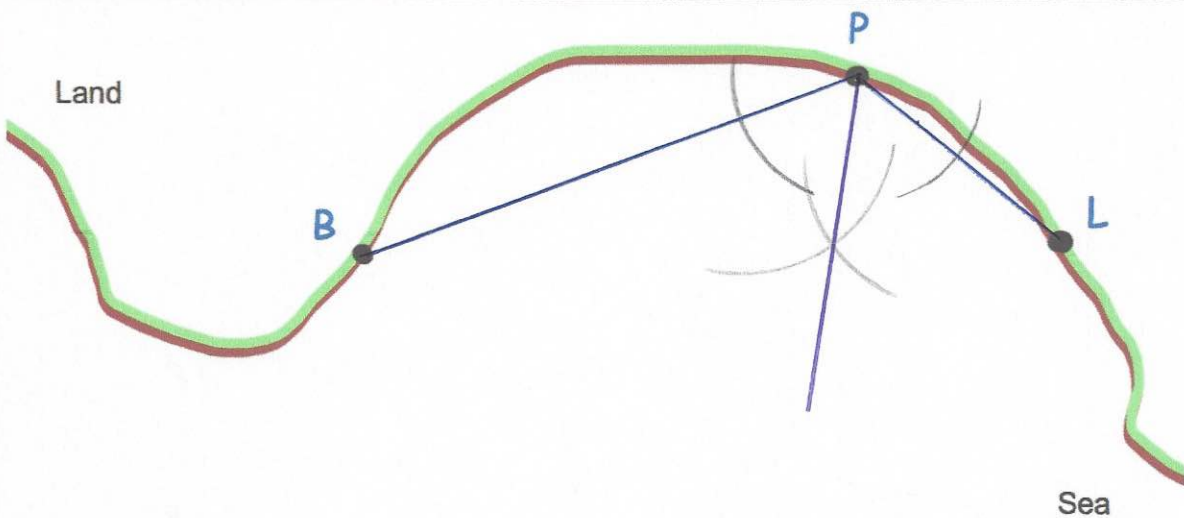
$$180^\circ - 36^\circ = 144^\circ$$

Expand and simplify

$$(y - 5)(y - 5)$$

$$y^2 - 5y - 5y + 25$$

$$y^2 - 10y + 25$$



A yacht leaves the port, P, on a course that is an equal distance from PB and PL. Using ruler and compasses only, construct the course on the diagram. You must show your construction arcs.

Solve

$$3x - 2y = 14$$

$$x + 2y = 10$$

add

$$4x = 24$$

$$x = 6$$

$$6 + 2y = 10$$

$$2y = 4$$

$$y = 2$$

$$x = 6 \text{ and } y = 2$$