

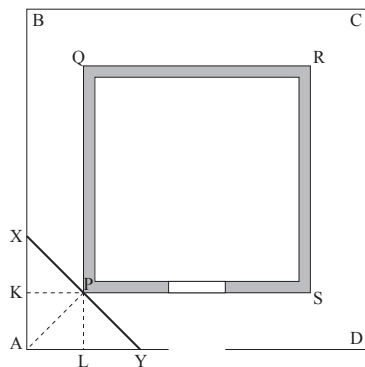


Investigation 3

Theorem of Pythagoras

Learner's Book page 345

Suggested answers



$$XK = KA = AL = LY = 2 \text{ m (congruence)}$$

$$XY^2 = XA^2 + AY^2$$

$$= 4^2 + 4^2$$

$$= 32 \text{ m}^2$$

$$\therefore XY = \sqrt{32 \text{ m}^2} \approx 5,6 \text{ m (round down to allow for thickness of plate)}$$