



4 (c) (iii) Area of object triangle OPQ = 7.2 square units Area of image triangle ORS = ? k = 2.5 $2.5^2 = \frac{|\text{Area of } ORS|}{7.2}$ $k^2 = \frac{|\text{Image area}|}{|\text{Object area}|}$ $2.5^2 \times 7.2 = |\text{Area of } ORS|$ $\therefore |\text{Area of } ORS| = 45$ square units **4** (c) (iv) |Area of PRSQ| = |Area of ORS| - |Area of OPQ|= 45 - 7.2

= 37.8 square units