



$$\text{no. of cans required} = \frac{\text{area to be painted}}{\text{area painted with 1 can}}$$

$$= \frac{2h(l+b) + lb}{100}$$

$$= \frac{2 \times 7 (15 + 10) + 15 \times 10}{100}$$

$$= \frac{14 \times 25 + 15 \times 10}{100}$$

$$= \frac{\cancel{10} (35 + 15)}{\cancel{100}}$$

$$= \frac{50}{10}$$

$$= 5$$