

$$6 \text{ (ii)} \quad 2925 = 3^2 \times 5^2 \times 13$$

Smallest no. by which 2925 should be divided to get a perfect square
 = 13 (remove factor without pair)

$$\begin{aligned} \text{required perfect square} &= \frac{2925}{13} \\ &= 225 \end{aligned}$$

$$\begin{aligned} \sqrt{225} &= \sqrt{3^2 \times 5^2} \\ &= 3 \times 5 \\ &= 15 \end{aligned}$$

$$iii \quad 396 = 2^2 \times 3^2 \times 11$$

Smallest no. by which 396 should be divided to get a perfect square
 = 11 (to remove factor without pair)

$$\begin{aligned} \text{required perfect square} &= \frac{396}{11} \\ &= 36 \end{aligned}$$

$$\begin{aligned} \sqrt{36} &= \sqrt{3^2 \times 2^2} \\ &= 3 \times 2 \\ &= 6 \end{aligned}$$