

$$5① \quad 252 = 2^2 \times 3^2 \times \textcircled{7}$$

Smallest no. by which given no. should be multiplied to get a square no. = 7 (to get a pair of 7)

$$\begin{aligned} \text{required square no.} &= 252 \times 7 \\ &= 1764 \end{aligned}$$

$$\begin{aligned} \sqrt{1764} &= \sqrt{2^2 \times 3^2 \times 7^2} \\ &= 2 \times 3 \times 7 \\ &= 42 \end{aligned}$$

$$①① \quad 180 = 2^2 \times 3^2 \times 5$$

Smallest no. by which given no. should be multiplied to get a square no. = 5 (to get a pair of 5)

$$\begin{aligned} \text{required square no.} &= 180 \times 5 \\ &= 900 \end{aligned}$$

$$\begin{aligned} \sqrt{900} &= \sqrt{2^2 \times 3^2 \times 5^2} \\ &= 2 \times 3 \times 5 \\ &= 30 \end{aligned}$$