

$$27. \frac{5}{12} + \frac{1}{16}$$

$$\frac{5 \cdot 4}{48} + \frac{1 \cdot 3}{48}$$

$$\frac{20}{48} + \frac{3}{48}$$

$$\frac{23}{48}$$

①

$$\begin{aligned} 12 &= 2 \cdot 2 \cdot 3 \\ 16 &= 2 \cdot 2 \cdot 2 \cdot 2 \\ \text{LCD} &= 2 \cdot 2 \cdot 2 \cdot 2 \cdot 3 \\ &= 48 \end{aligned}$$

②

28.

$$\frac{7}{10} + \frac{3}{25}$$

$$\frac{7 \cdot 5}{50} + \frac{3 \cdot 2}{50}$$

$$\frac{35}{50} + \frac{6}{50}$$

$$\frac{41}{50}$$

①

②

$$\begin{aligned} \text{LCD} \\ 10 &= 2 \cdot 5 \\ 25 &= 5 \cdot 5 \end{aligned}$$

$$\begin{aligned} \text{LCD} &= 2 \cdot 5 \cdot 5 \\ &= 50 \end{aligned}$$

$$29. \frac{1}{16} + \frac{1}{36}$$

$$\frac{1 \cdot 9}{144} + \frac{1 \cdot 4}{144}$$

$$\frac{9}{144} + \frac{4}{144}$$

$$\frac{13}{144}$$

①

$$\begin{aligned} \text{LCD} \\ 16 &= 2 \cdot 2 \cdot 2 \cdot 2 \\ 36 &= 2 \cdot 2 \cdot 3 \cdot 3 \\ \text{LCD} &= 2 \cdot 2 \cdot 2 \cdot 2 \cdot 3 \cdot 3 \\ &= 16 \cdot 9 \\ &= 144 \end{aligned}$$

$$30. \frac{1}{5} + \frac{1}{3} + \frac{1}{4}$$

$$\frac{1 \cdot 12}{60} + \frac{1 \cdot 20}{60} + \frac{1 \cdot 15}{60}$$

$$\frac{12}{60} + \frac{20}{60} + \frac{15}{60}$$

$$\frac{47}{60}$$

①

$$\begin{aligned} \text{LCD} \\ 5 &= 5 \\ 3 &= 3 \\ 4 &= 2 \cdot 2 \\ \text{LCD} &= 2 \cdot 2 \cdot 3 \cdot 5 \\ &= 60 \end{aligned}$$