

$$5) \quad \frac{225}{15} \quad \text{---} \quad 100 \div 4$$

$$\frac{225}{7} \quad \text{---} \quad 125 \div 5$$

$$\frac{1}{15} \times 5 = 4 \times \frac{1}{21}$$

$$\boxed{7 = 12}$$

$$CP = \frac{225}{15} = 15 \times 2 = 180$$

$$\textcircled{2 = 12}$$

$$P_2 = 25\% = \frac{1}{4}$$

$$\begin{array}{r} 5 \text{ --- } 225 \\ 4 \text{ --- } 180 \end{array}$$

11)

$$CP = 100$$

$$P_2 = 16.5\%$$

$$SP = 16.5 \times 4 = 466$$

$$\boxed{82.5} \times 4 = 330$$

$$\boxed{\text{Loss} = 12.5}$$

20)  $CP = 100$  commodity = 12

$$\begin{array}{c} \frac{15\%}{4} \quad \frac{20\%}{3} \quad \frac{24\%}{5} \\ \textcircled{4} \quad \textcircled{3} \quad \textcircled{5} \end{array}$$

$$(4 \times 15) + (3 \times 20) + (5 \times 24) = 240$$

$$\begin{array}{r} 240 \text{ --- } 62 \\ \times 5 \text{ --- } 1200 \text{ --- } \textcircled{310} \end{array}$$

$$17) x + y = 2100$$

$$x \times \frac{9}{10} = y \times \frac{6}{5}$$

$$\frac{x}{y} = \frac{60}{45} = \frac{4}{3}$$

$$7 \text{ ————— } 2100$$

$$x = 4 \text{ ————— } 1200 \checkmark$$

$$y = 3 \text{ ————— } 900$$

$$15) CP = 100$$

$$\begin{array}{r} 89 \text{ — } \times 11 \text{ — } 979 \\ \boxed{112} \text{ — } \times 11 \text{ — } 1232 \\ \hline \boxed{Pr = 12\%} \end{array}$$

$$18) CP = 100 \quad \text{Profit} = 3$$

$$\begin{array}{r} \frac{2}{3} \\ \boxed{2} \quad \boxed{1} \\ -3\% \end{array}$$

$$(2 \times 6) - (1 \times 3) = 9$$

$$9 \text{ — } \times 60 \text{ — } 540$$

$$300 \text{ — } \boxed{18000}$$

$$23) CP = 100 \quad \boxed{25\% = Pr}$$

$$\begin{array}{r} 5 \\ 125 \text{ — } 200 \end{array}$$

$$8 \text{ — } \frac{1056}{63} = 176$$

$$= \frac{22}{176 \times 5} = \boxed{110}$$

$$\boxed{Pr = 10\%}$$

$$26) \frac{56 + 42}{2} = \frac{98}{2} = 49$$