

演習 ~ 15:20

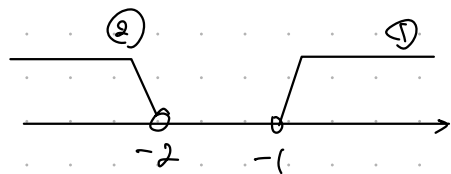
[6]

(1) $x \leq -\frac{7}{3}$

(2)
$$\begin{cases} 2x + 3 > x + 2 & \text{--- ①} \\ 3x > 4x + 2 & \text{--- ②} \end{cases}$$

① $2x - x > 2 - 3$
 $x > -1$

② $3x - 4x > 2$
 $-x > 2$
 $\times(-1) \downarrow$
 $x < -2$ $\uparrow \times(-1)$



解答

(3) $\frac{11}{6} \geq x > \frac{5}{3}$

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[7]

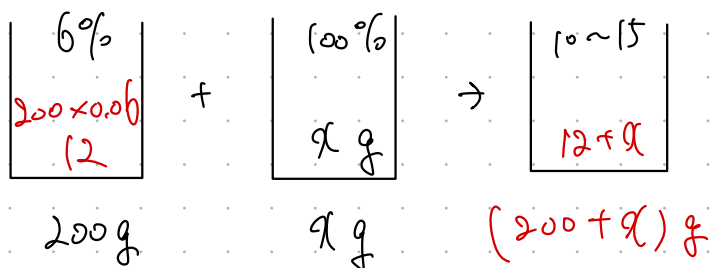
(1) 42 円



$0.05 \times 100 = 5\%$

$100 \times 0.05 = 5g$
 全体 濃度 塩

(2)



$\frac{10}{100} \leq \frac{12+x}{200+x} \leq \frac{15}{100}$

濃度

% 10~15

0.~

$$\frac{10}{100} \leq \frac{12+x}{200+x} \leq \frac{15}{100}$$

↘ × 100

$$10 \leq 100 \times \frac{12+x}{200+x} \leq 15$$

↘ × (200+x)

$$10(200+x) \leq 100(12+x) \leq 15(200+x)$$

$$\underline{2000 + 10x \leq 1200 + 100x \leq 3000 + 15x}$$

①

$$\textcircled{1} \quad 100 \leq 90x$$

$$\Rightarrow \frac{80}{9} \leq x$$

②

$$\textcircled{2} \quad 85x \leq 1800$$

$$x \leq \frac{360}{17}$$

$$\frac{80}{9} \leq x \leq \frac{360}{17}$$

A 演習 $\sim 16:10$

①

(1) 17280

(2) 43200

②

(1) 120

(2) 72

(3) 6

③

(1) 1508

(2) CDBAE

④

(1) ${}_{20}P_3$ (金鉄)

(i) 金鉄=3 ${}_{4}P_3 = 24$

(ii) 金鉄=4 $4 \times 16 \times 3 = 192$

(2) $\frac{16}{45}$

$$\frac{24 + 192}{{}_{20}P_3} = \frac{3}{45}$$

$$\textcircled{8} \quad \frac{1}{3}$$

$\textcircled{9}$

$$(1) \quad \frac{1}{35}$$

$$(2) \quad \frac{2}{21}$$

$$(3) \quad \frac{11}{21}$$