

算数オンライン塾 7 月 13 日の問題解説

(1) B の濃さを B、C の濃さを C とすると

$$10 \times 200 + B \times 300 + C \times 400 = 8 \times (200 + 300 + 400) = 7200$$

$$\text{から } B \times 3 + C \times 4 = 52 \cdots \textcircled{1}$$

$$10 \times 400 + B \times 300 + C \times 50 = 9 \times (400 + 300 + 50) = 6750$$

$$B \times 6 + C = 55 \cdots \textcircled{2}$$

$$\textcircled{2} \times 4 - \textcircled{1}$$

$$B \times 21 = 220 - 52 = 168 \quad B = 8$$

(答え) 8%

(2) (1) から $C = 7$

$$10 \times \text{【1】} + 8 \times \text{【2】} + 7 \times (1000 - \text{【3】}) = 7.6 \times 1000 = 7600$$

$$\text{【26】} + 7000 - \text{【21】} = 7600$$

$$\text{【5】} = 600 \quad \text{【1】} = 120 \text{ g} \quad 1000 - 120 \times 3 = 640$$

(答え) 640g