

$$\text{① (1)} \quad 182 - 26 \times 6 + 189 \div 3$$

$$\quad \quad \quad \begin{array}{r} 156 \\ 63 \end{array}$$

$$= 182 - 156 + 63$$

$$= \underline{\underline{89}}$$

$$\begin{array}{r} 182 \\ - 156 \\ \hline 26 \end{array} \quad \begin{array}{r} 26 \\ + 63 \\ \hline 89 \end{array}$$

ポイント: $\times \div$ は先だが $+$ $-$ だけの時には
前から順に ($156 + 63$ を先にやするのは \times)

$$\text{(2)} \quad (25 \times 2.4 - 1.2 \times 45) \div 1.5$$

$$= \underline{\underline{4}}$$

$$\begin{array}{r} 25 \\ \times 2.4 \\ \hline 100 \\ 50 \\ \hline 60.0 \end{array} \quad \begin{array}{r} 1.2 \\ \times 45 \\ \hline 60 \\ 48 \\ \hline 54.0 \end{array} \quad \begin{array}{r} 60 \\ - 54 \\ \hline 6 \end{array} \quad \begin{array}{r} 1.5 \overline{) 6.0} \\ \underline{15} \\ 60 \\ \underline{60} \\ 0 \end{array}$$

別解:

$$(25 \times 2.4 - 1.2 \times 45) \div 1.5$$

$$= (25 \times \underline{1.2} \times 2 - \underline{1.2} \times 45) \div 1.5$$

$$= (50 - 45) \times 1.2 \div 1.5$$

$$= 5 \times \frac{12}{10} \times \frac{10}{15} = \underline{\underline{4}}$$

$$\text{(3)} \quad \left(2\frac{2}{3} - \frac{1}{4}\right) \div 0.25 - 1\frac{3}{4} \times 5\frac{1}{21}$$

$$= \left(\frac{8}{3} - \frac{1}{4}\right) \div \frac{1}{4} - \frac{14}{4} \times \frac{106}{21}$$

$$= \frac{32-3}{12} \times \frac{4^2}{1} - \frac{53}{6} = \frac{58}{6} - \frac{53}{6} = \underline{\underline{\frac{5}{6}}}$$

約分(すきないよう)に2分母を6に

$$\text{(4)} \quad \frac{4}{7} \times 2.2 \div \left\{ \left(0.8 - \frac{2}{7}\right) \div 10 \right\} \div 4\frac{8}{9}$$

$$\quad \quad \quad \left(\frac{4}{7}\right)$$

$$= \frac{4}{7} \times \frac{22}{10} \div \left(\frac{28-10}{35} \times \frac{1}{10} \right) \times \frac{9}{44}$$

$$= \frac{4}{7} \times \frac{22}{10} \div \frac{18}{350} \times \frac{9}{44}$$

$$= \frac{1}{1} \times \frac{22}{10} \times \frac{350}{18} \times \frac{9}{44} = \underline{\underline{5}}$$

② (1)

$$\begin{array}{r} 3 \\ 7 \overline{) \square} \\ \underline{21} \\ 3 \end{array} \quad \leftarrow 7 \times 3 = 21 \quad \square = 21 + 3 = 24$$

$$\begin{array}{r} 2 \\ 9 \overline{) 24} \\ \underline{18} \\ 6 \end{array}$$

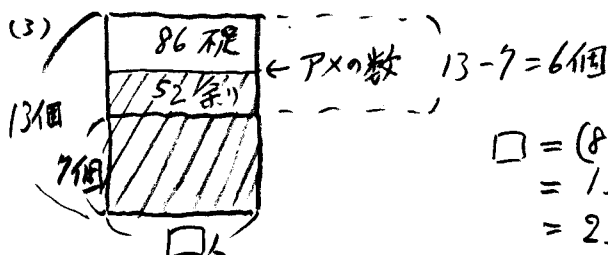
A. 6

(2) $3.6 \times 50000 = 180000 \text{ cm} = 1800 \text{ m} = 1.8 \text{ km}$

$$1.8 \text{ km} \div 4 \text{ km/時} = \frac{18}{10} \times \frac{1}{4} = \frac{9}{20} \text{ 時間}$$

$$60 \text{ 分} \times \frac{9}{20} = 27 \text{ 分}$$

A. 27分

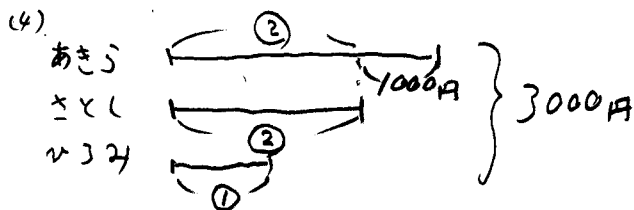


$$\begin{aligned} \square &= (86 + 52) \div 6 \\ &= 138 \div 6 \\ &= 23 \text{ 人} \cdots \text{生徒数} \end{aligned}$$

$$7 \times 23 + 52 = 213 \text{ 個} \cdots P \times \text{の数}$$

$$213 \div 23 = 9 \cdots 6$$

A. 9個



$$\textcircled{2} + \textcircled{2} + \textcircled{1} = \textcircled{5} = 3000 - 1000 \text{ 円} = 2000 \text{ 円}$$

$$\textcircled{1} = 2000 \div 5 = 400 \text{ 円}$$

$$\text{あき5} = \textcircled{2} + 1000 = 400 \times 2 + 1000 = 1800$$

A. 1800 円

(5) 原価①とすると定価 = ① × 1.3 = ①.3

$$\text{定価の割5681さ} = \textcircled{1.3} \times (1 - 0.15) = \textcircled{1.105}$$

$$\text{利益} = \textcircled{1.105} - \textcircled{1} = \textcircled{0.105} \cdots \text{原価} 0.105 \text{ 倍が利益} 525 \text{ 円}$$

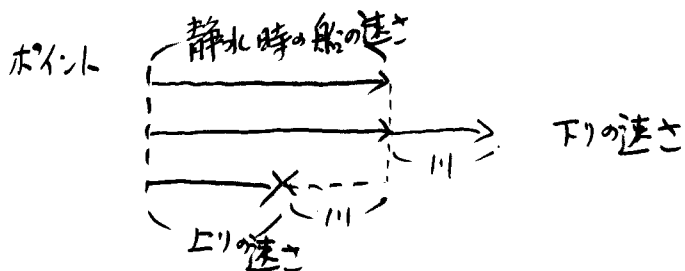
$$525 \div 0.105 = 5000$$

A. 5000 円

(6) $20 \div 1 = 20 \text{ km/時}$ 上り
 $20 \div 0.5 = 40 \text{ km/時}$ 下り

$(40 - 20) \div 2 = 10$

A 時速 10 km



(7) $300 \times 0.06 = 18 \text{ g}$ 入った食塩

$300 - 100 = 200 \text{ g}$ 蒸発させたあとの食塩水

$18 \div 200 = 0.09$

A. 9%

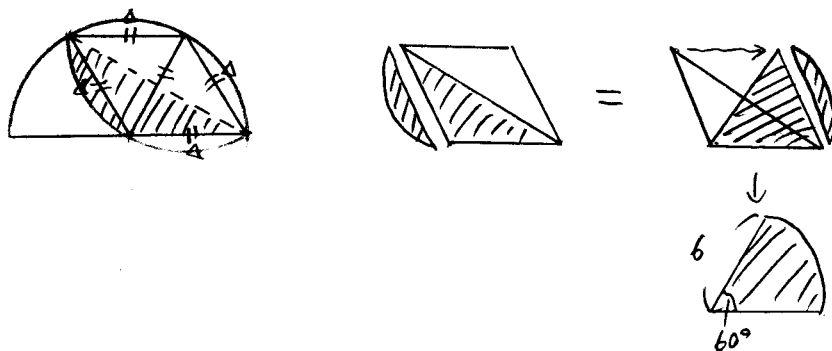
(8) $40 \text{ km/時} \times \frac{10}{60} \text{ 時間} = \frac{20}{3} \text{ km}$ こういちが出發した時2人の差

$\frac{20}{3} \div (40 - 90) = \frac{2}{15} \text{ 時間} = 60 \times \frac{2}{15} = 8 \text{ 分}$

$10 + 8 = 18$


A 18分後

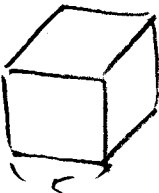
13



$6 \times 6 \times 3.14 \times \frac{1}{6} = 18.84$

A 18.84 cm²

④ 表面積 $\text{+} \times 6 + \text{L} \times 3 \times 8 + \text{D} \times 12 = \underbrace{5 \times 6}_{30} + \underbrace{3 \times 3 \times 8}_{72} + \underbrace{2 \times 12}_{24}$
 $= 126$

A 126 cm²

体積 $5^3 - 2^3 \times 8 - 1^3 \times 12 = 125 - 64 - 12$
 $= 49$

A. 49 cm³

⑤ (1) $30\text{ℓ} \div 3\text{分} = 10\text{ℓ/分}$... アから 1分間に10ℓ
 $(60-30)\text{ℓ} \div (5-3)\text{分} = 15\text{ℓ/分}$... ア+イで 1分間に15ℓ
 $15-10=5$... イから 1分間5ℓ
 $(60-40)\text{ℓ} \div (17-5)\text{分} = \frac{20}{12} = \frac{5}{3}$... ウ-(ア+イ)
 $ウ-15 = \frac{5}{3}$ $ウ = 15 + \frac{5}{3} = 16\frac{2}{3}$ A ^イ 毎分5ℓ ^ウ 毎分 $16\frac{2}{3}\text{ℓ}$

(2) $(43-30)\text{ℓ} \div \frac{13}{15}\text{分} = 60\text{秒} \times \frac{13}{15} = 52\text{秒} \rightarrow 3\text{分}+2\text{秒}$
 $(60-43) \div \frac{5}{3} = 17 \times \frac{3}{5} = \frac{51}{5} = 10\frac{1}{5} = 10\text{分} + 60\text{秒} \times \frac{1}{5} = 10\text{分}+12\text{秒}$
 $\downarrow +5\text{分}$
 $15\text{分}+12\text{秒}$

A	1回目	2回目
	3分52秒	15分12秒

(3) 5分~30分の25分で、これは $\frac{5}{3} \times 25 = \frac{125}{3}\text{ℓ} = 41\frac{2}{3}\text{ℓ}$ 減っているのに

実際は90ℓ $\rightarrow (90-60) + 41\frac{2}{3} = 71\frac{2}{3}\text{ℓ}$ の差

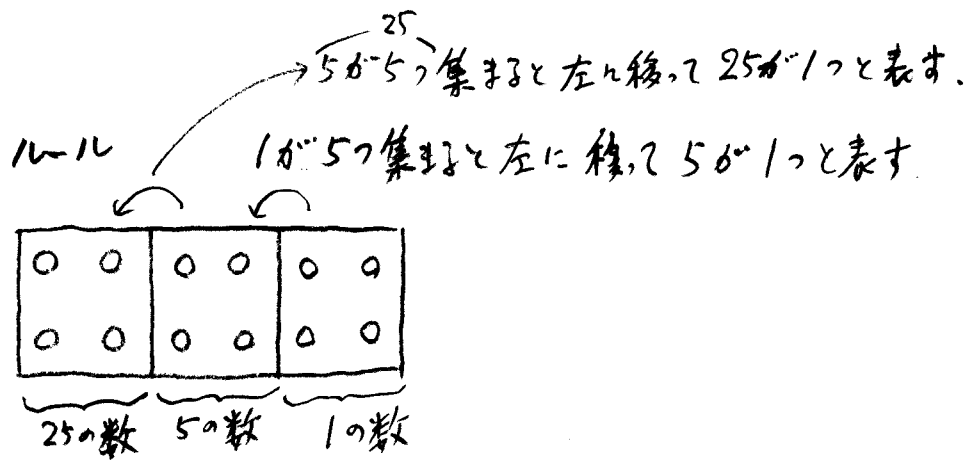
アとウを閉めると 1分で $\frac{5}{3}$ 減っていたのが5ℓずつふえた $\rightarrow \frac{5}{3} + 5 = 6\frac{2}{3}\text{ℓ/分}$ の差

$71\frac{2}{3} \div 6\frac{2}{3} = \frac{\overset{43}{215}}{3} \times \frac{3}{\underset{4}{20}} = 10\frac{3}{4}\text{分} = 10\text{分}+45\text{秒}$

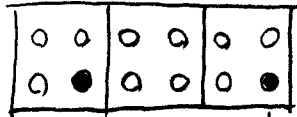
$30\text{分} - 10\text{分}+45\text{秒} = 19\text{分}+15\text{秒}$

A. 19分15秒

⑥



(1)



↓
25が1つ

↓
1が1つ

→ $25 + 1 = 26$

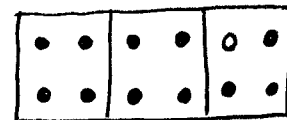
A. 26

(2)

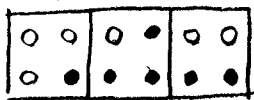
$123 \div 25 = 4 \dots 23 \rightarrow 25が4つ$

↳ $23 \div 5 = 4 \dots 3 \rightarrow 5が4つ$
↳ $1が3つ$

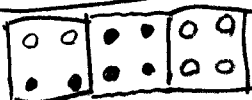
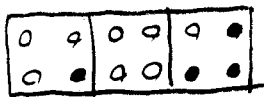
A



(3)



+



↑
5つになったので1つ左に

$25 \times 2 + 5 \times 4 = 70$

