

1 (1) $83 - 9 \div (459 \div 17 + 12) \times 65$

$$= 83 - \frac{9^3 \times 65^5}{39} = 83 - 15 = \underline{\underline{68}}$$

$$\begin{array}{r} 27 \\ 17 \overline{)459} \\ \underline{34} \\ 119 \\ \underline{119} \\ 0 \end{array}$$

(2) $11.8 \div \left\{ 9\frac{5}{8} - \left(\frac{3}{4} + \square\right) \times 3.12 \right\} = 2\frac{2}{3}$

$$\left\{ \right\} = 11.8 \div 2\frac{2}{3} = \frac{118}{10} \times \frac{3}{8} = \frac{177}{40}$$

$$\left(\right) \times 3.12 = 9\frac{5}{8} - \frac{177}{40} = \frac{77}{8} - \frac{177}{40} = \frac{385 - 177}{40} = \frac{208}{40} = \frac{26}{5}$$

$$\left(\right) = \frac{26}{5} \div 3.12 = \frac{26}{5} \times \frac{100}{312} = \frac{5}{3}$$

$$\frac{3}{4} + \square = \frac{5}{3} \quad \square = \frac{5}{3} - \frac{3}{4} = \frac{20}{12} - \frac{9}{12} = \underline{\underline{\frac{11}{12}}}$$

(3) $\square \text{時間} \square \text{分} \div 7 = 2 \text{時間} 48 \text{分} \text{ 刻} 2 \text{分}$

$$\begin{array}{r} 2 \text{時間} 48 \text{分} \\ \times 7 \\ \hline 14 \text{時間} 36 \text{分} \end{array}$$

$$\left. \begin{array}{l} 14 \text{時間} 36 \text{分} \\ 5 \text{時間} 36 \text{分} \end{array} \right\} 19 \text{時間} 36 \text{分}$$

A 19 (時間) 36 (分)

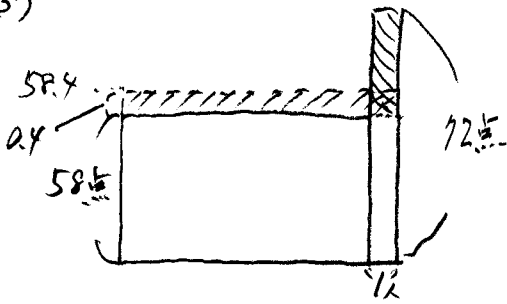
(4) 水 340g + 食塩 ()g \rightarrow 15% の食塩水

$$\begin{array}{cc} 85\% & 15\% \\ \uparrow & \uparrow \end{array}$$

$$340 \div 0.85 = 400$$

A 400 (g)

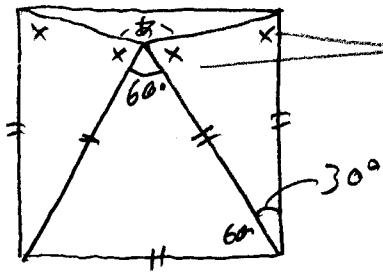
(5)



$$\square = 14 \div 0.4 = 35$$

A 35人

(6)



$$x = (180 - 30) \div 2 = 75^\circ$$

$$\text{あ} = 360 - (75 \times 2 + 60) = 150$$

A 150

2. (1) 残りの子供を \bigcirc 人として 全部で $11人 + 8人 + \bigcirc人$

$$\text{折り紙の枚数 } 10 \times (11 + 8 + \bigcirc) - 4 = 110 + 80 + 10 \times \bigcirc - 4 = 186 + 10 \times \bigcirc$$

$$\text{配り方の変えとして (折り紙の枚数) } 13 \times 11 + 9 \times 8 + 6 \times \bigcirc + 3 = 218 + 6 \times \bigcirc$$

$$186 + 10 \times \bigcirc = 218 + 6 \times \bigcirc$$

$$4 \times \bigcirc = 32 \quad \bigcirc = 32 \div 4 = 8人$$

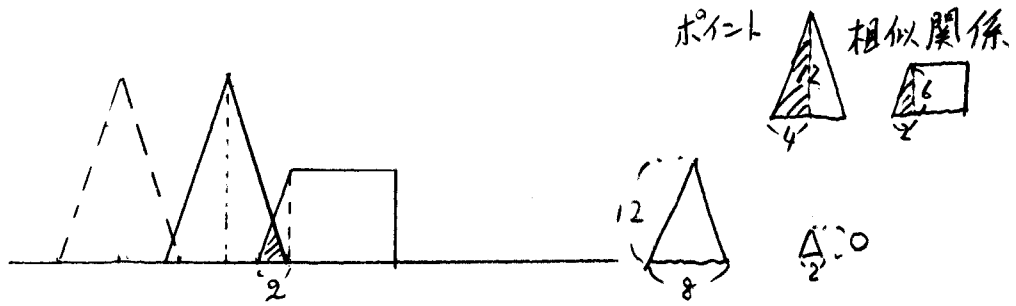
$$11 + 8 + 8 = 27$$

A. 27人

$$(2) 10 \times 27 - 4 = 266$$

A. 266(枚)

3. (1)



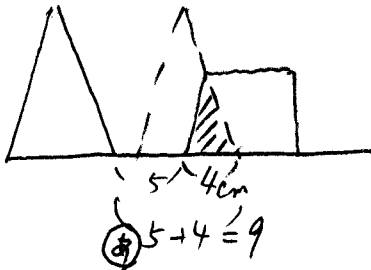
$$12:8 = 0:2 \quad 0=3$$

$$2 \times 3 \times \frac{1}{2} = 3$$

$$\underline{A. 3 \text{ cm}^2}$$

(2) $8 \times 12 \times \frac{1}{2} \times \frac{1}{4} = 12 \text{ cm}^2 \dots = \text{等辺三角形の} \frac{1}{4}$

(1)の面積の4倍 \rightarrow 長さ2倍



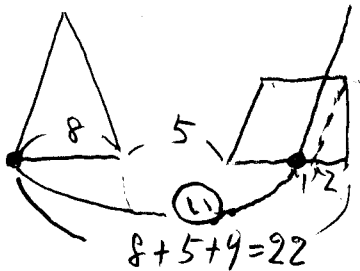
$$\underline{a = 9 \text{ (cm)}}$$

もう1つは



左図の時に \triangle は上の事より $12 \div 2 = 6 \text{ cm}^2$ となり

\square は 6 cm^2 より $\square = 1 \text{ cm}$



$$\textcircled{1} = 22 - (1+2) = 19$$

$$\textcircled{1} = \underline{19 \text{ (cm)}}$$

4. (1) $250\text{m} \div 2\text{分} = 125\text{m/分}$ Aさんの速さ + 歩道の速さ

$125 - 50 = 75$

A. (毎分) 75(m)

(2) それぞれ2分で250m 離れた → 2人の速さの合計は125m/分

Aは歩道の速さ50m/分なので Bは $125 - 50 = 75\text{m/分}$

Bの歩く速さ = $75 - 50 = 25\text{m/分}$ (最初の $\frac{1}{2}$) (歩道 + B)

最初のBの速さ = $25 \times 2 = 50\text{m/分}$

$(125 + 50) \times \frac{24}{60} = \frac{35}{45} \times \frac{24}{5} = 70\text{m}$ 2人の歩いた距離

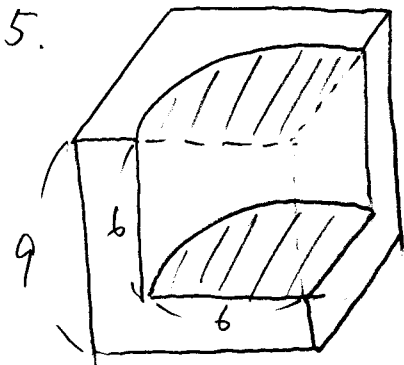
$250 - 70 = 180$

A. 180(m)

(3) $180 \div (125 + 50 + 50) = \frac{36}{225} = \frac{4}{5}\text{分} = 60\text{秒} \times \frac{4}{5} = 48\text{(秒)}$

$24 + 48 = 72\text{(秒)}$

A 72(秒)



(1) $9 \times 9 \times 9 - 6 \times 6 \times 3.14 \times 6 \times \frac{1}{4}$
 $= 729 - 169.56$
 $= 559.44$

A 559.44(cm³)

$9 \times 9 \times 6 - 6 \times 6 \times 2 + 12 \times 3.14 \times 6 \times \frac{1}{4}$
 $= 486 - 72 + 56.52$
 $= 470.52$

A 470.52(cm²)

(2) $9 \times 9 - 6 \times 6 \times 3.14 \times \frac{1}{4} = 52.74\text{(cm}^2\text{)}$

$559.44 \div 2 \div 52.74 = 5.30 \dots$

$9 - 5.30 = 3.70$

A. 3.7

