

$$11 \quad 5\frac{1}{4} - 11 \div (3.125 - \square) = \frac{9}{20}$$

②      ①

$$\textcircled{2} = 5\frac{1}{4} - \frac{9}{20} = 4\frac{25}{20} - \frac{9}{20} = 4\frac{16}{20} = 4\frac{4}{5}$$

$$11 \div \textcircled{1} = 4\frac{4}{5} \quad \textcircled{1} = 11 \div 4\frac{4}{5} = 11 \times \frac{5}{24} = \frac{55}{24} = 2\frac{7}{24}$$

$$3.125 - \square = 2\frac{7}{24} \quad \square = 3.125 - 2\frac{7}{24}$$

$$= 3\frac{1}{8} - 2\frac{7}{24}$$

$$= 2\frac{27}{24} - 2\frac{7}{24} = \frac{20}{24} = \frac{5}{6}$$

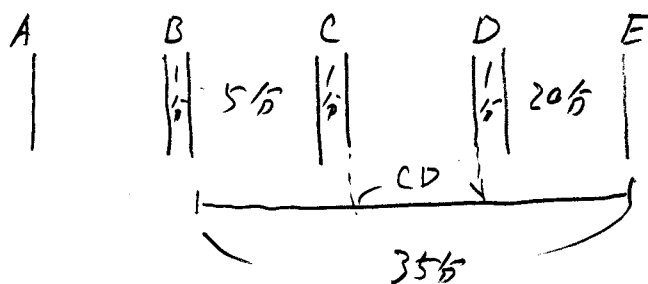
A.  $\frac{5}{6}$

$$12 \quad \frac{8}{15} - \frac{1}{2} = \frac{16}{30} - \frac{15}{30} = \frac{1}{30}$$

$$\frac{8}{15} - \frac{1}{5} = \frac{8}{15} - \frac{3}{15} = \frac{5}{15} = \frac{1}{3}$$

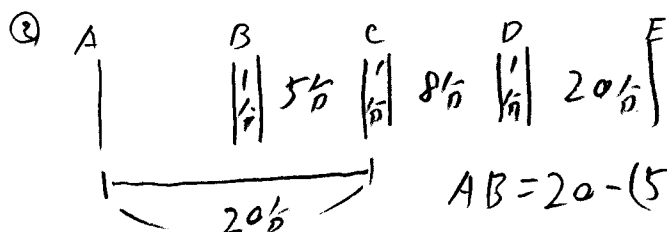
$$A \begin{cases} (\frac{1}{2}, \frac{1}{30}) \\ (\frac{1}{5}, \frac{1}{3}) \end{cases}$$

13 ①



$$CD = 35 - (5 + 1 + 1 + 20) = 8$$

A 8分



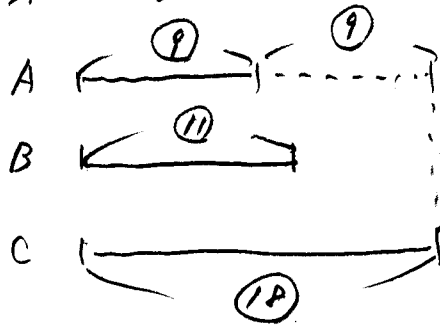
$$AB = 20 - (5 + 1) = 14 \text{分}$$

$$AD \text{間} = 14 + 5 + 8 = 27 \text{分} \quad 80 \text{km/時} \times \frac{27}{60} = 36 \text{km}$$

$$DE \text{間} \quad 48 \text{km/時} \times \frac{20}{60} = 16 \text{km} \quad 16 + 36 = 52$$

A 52km

⑭ 最後の金額



BはCに  $\frac{1}{3}$  を上げたので残り  $\frac{2}{3}$  が ⑪  
 なので  $\frac{1}{3}$  は ⑪  $\div 2 = 5.5$

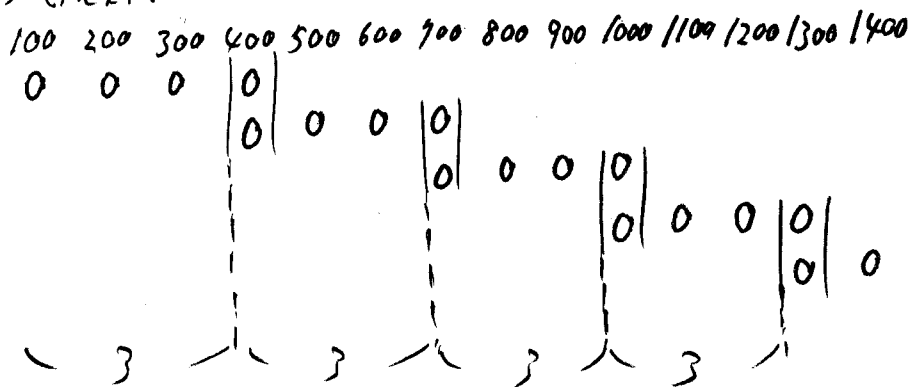
Bは ⑪ + ⑤.⑤ = ⑪.⑤ ---- Aから ② もうて

はじめ Bは ⑪.⑤ - ② = ⑨.⑤ 持っていた。

$$7600 \times \frac{9.5}{9 + 11 + 18} = \frac{200}{38} \times \frac{9.5}{1} = 1500$$

A 1500円

⑮ 考え方 (規則性)



700円の場合  $7 \div 3 = 2 \dots 1$

→ 4本のグループが2つと1本

(1) 1900円

$$19 \div 3 = 6 \dots 1$$

$$4 \text{本} \times 6 + 1 = 25$$

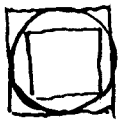
A 25本

(2) 90本 →  $90 \div 4 = 22 \dots 2$

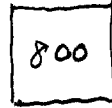
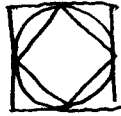
$$3 \times 22 + 2 = 68$$

A 6800円

⑥ ①



回転

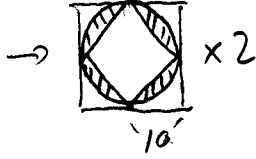


$$127 \times 127 = 400$$

$\div 2$

A. 20cm

②



$$= (10 \times 10 \times 3.14 - 20 \times 20 \times \frac{1}{2}) \times 2$$

$$= (314 - 200) \times 2 = 114 \times 2 = 228$$

A. 228cm<sup>2</sup>

⑦

			8
1			

は決定 2, 3 の位置で3タイプに分類

2			8
1	3		

3			8
1	2		

			8
1	2	3	

← ポイント 下段を決定

2	5	6	8
1	3	4	7

3	5	6	8
1	2	4	7

5	6	7	8
1	2	3	4

2	5	7	8
1	3	4	6

3	5	7	8
1	2	4	6

4	6	7	8
1	2	3	5

2	6	7	8
1	3	4	5

3	6	7	8
1	2	4	5

4	5	7	8
1	2	3	6

2	4	6	8
1	3	5	7

3	4	7	8
1	2	5	6

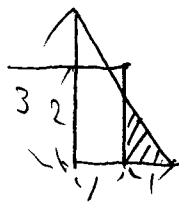
4	5	6	8
1	2	3	7

2	4	7	8
1	3	5	6

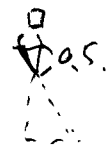
3	4	6	8
1	2	5	7

A. 14通り

⑧ ①



1.5cm



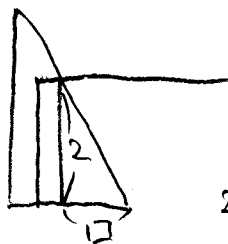
$$2:3 = \square : 0.5$$

$$\square = \frac{1}{3} \text{ cm}$$

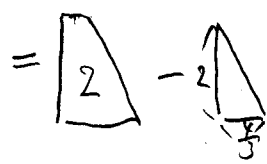
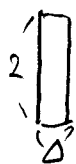
$$\square = 2 \times \frac{1}{3} - \frac{1}{3} \times 0.5 \times \frac{1}{2} = 1 \times 2 - \frac{1}{3} \times 0.5 \times \frac{1}{2} = 2 - \frac{1}{12} = 1 \frac{11}{12}$$

$$A \ 1 \frac{11}{12} \text{ cm}^2$$

⑧

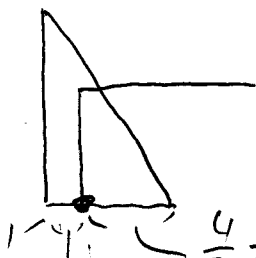
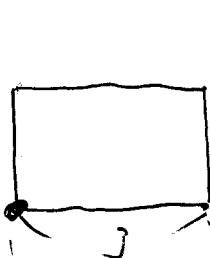


$$3:2 = 2:\square \quad \square = \frac{4}{3} \text{ cm}$$



$$= 2 - 2 \times \frac{4}{3} \times \frac{1}{2} = \frac{2}{3} \text{ cm}^2$$

$$\Delta = \frac{2}{3} \div 2 = \frac{1}{3} \text{ cm}$$



$$\frac{4}{3} + \frac{1}{3} = \frac{5}{3}$$

$$2 - \frac{5}{3} = \frac{1}{3} \text{ cm}$$

$$3 + 1 + \frac{1}{3} = 4 \frac{1}{3} \text{ cm}$$

$$A. \ 4 \frac{1}{3} \text{ 秒後}$$

19

① 正面の図



より

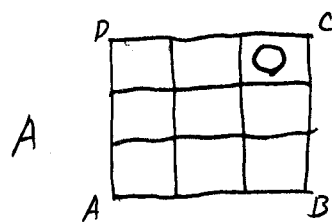
透明を「ト」と表すこととする



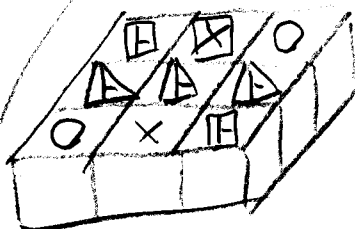
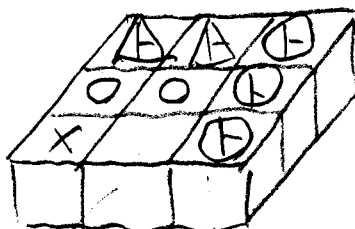
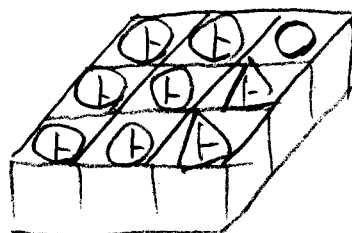
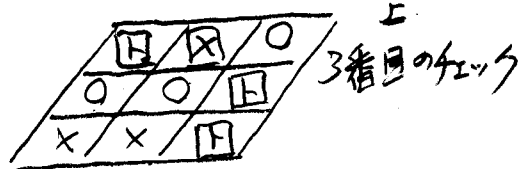
右の図



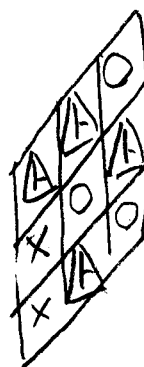
より



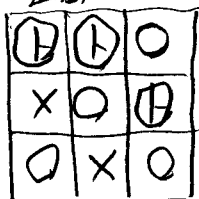
②



2番目のチェック  
左

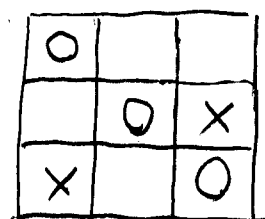


1番目のチェック  
正面



透明か赤かは不明

左から  
A



注: 左の1面ではなく  
左から見た時透明な所を  
すけて次の面が見えることを  
忘れない