

II

(1)  $(0.5 - \frac{3}{8}) \times 0.4 + 0.15$

$= (\frac{4}{8} - \frac{3}{8}) \times \frac{2}{5} + \frac{3}{4}$

$= \frac{1}{4} \times \frac{2}{5} + \frac{3}{4}$

$= \frac{1}{20} + \frac{15}{20}$

$= \frac{16}{20} = \frac{4}{5}$  (又は 0.8)

(2)  $2.4 \times (\square - \frac{1}{4}) \div \frac{1}{3} = 6$

①

②  $= 6 \times \frac{1}{3} = 2$

$2.4 \times \text{①} = 2$      $\text{①} = 2 \div 2.4 = \frac{20}{24} = \frac{5}{6}$

$\square - \frac{1}{4} = \frac{5}{6}$

$\square = \frac{5}{6} + \frac{1}{4} = \frac{10+3}{12} = \frac{13}{12}$

(3)

$$\begin{array}{r} \square 7 \square \\ \times \quad \square 6 \\ \hline 1 \square 5 6 \\ 2 \square 0 \square \\ \hline 2 3 \square 3 6 \end{array}$$

$6 \times \square = \square 6$

$\square = 1$  又は  $6$

1□56 は 6 の倍数なので

$\square \neq 6$

$\downarrow$   
 $1656 \div 6 = 276$

$\downarrow$   
 $\square = 2$

$5 + \square = ?3$  なので  
 $\square = 8$

$$\begin{array}{r} 276 \\ \times \quad 86 \\ \hline 1656 \\ 2208 \\ \hline 23736 \end{array}$$

$\downarrow$   
 $\square$

A 7 2 1 6 7 8 2 7

$$(4) A+B+C = 66 \times 3 = 198$$

$$(A+B+C+D) \div 4 = (198+90) \div 4 = 288 \div 4 = 72$$

A. 72

(5) A 4日, B 5日, C 6日 かかり仕事を量を ① とすると

1日の仕事量は A  $\left(\frac{1}{4}\right)$  B  $\left(\frac{1}{5}\right)$  C  $\left(\frac{1}{6}\right)$

仕事の比  
 $A:B:C = \frac{1}{4}:\frac{1}{5}:\frac{1}{6} = 15:12:10$

1日の仕事を A 15, B 12, C 10 とすると

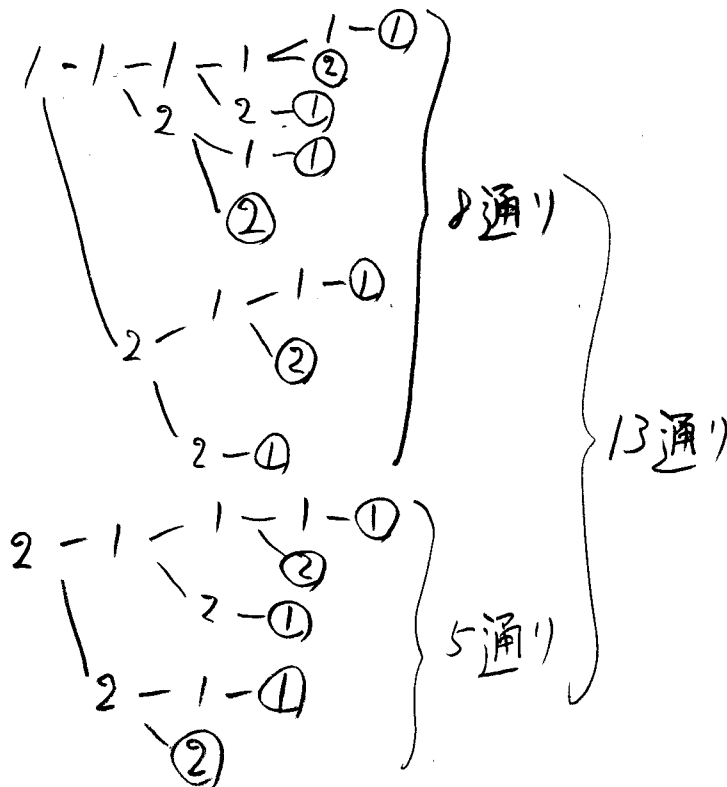
全仕事量は  $15 \times 10 + 12 \times 12 + 10 \times 14 = 434$   
A 150 B 144 C 140

仕事1あたりのお金は  
 $21700 \div 434 = 50 \text{円}$

Aは150なので  $50 \times 150 = 7500$

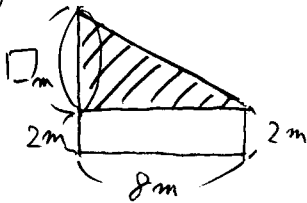
A. 7500円

(6) 1と2をたして6になる組合せ



A 13

(7)



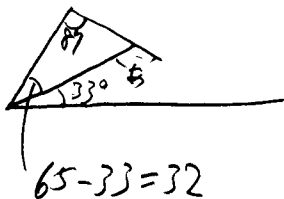
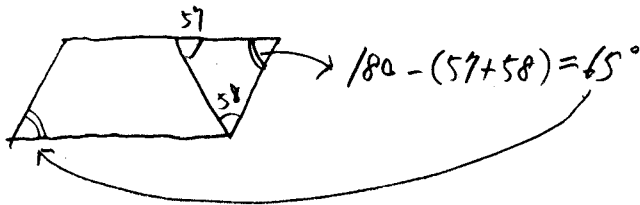
$$\square : 1 = 8 : 1.25$$

$$\square = 8 \times 1.25 \div 1 = 10$$

$$10 + 2 = 12$$

$$\underline{A. 12m}$$

(8)

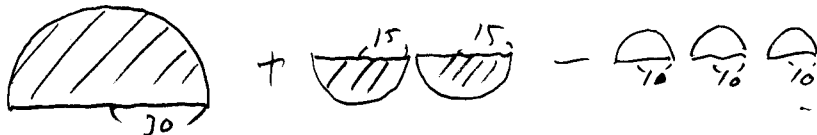


$$65 - 33 = 32$$

$$89 + 32 = 119$$

$$\underline{A. 119^\circ}$$

(9)



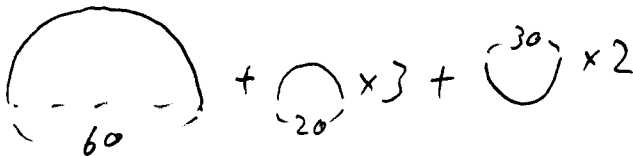
$$= 30 \times \frac{15}{2} \times 3.14 \times \frac{1}{2} + 15 \times 15 \times 3.14 \times \frac{1}{2} \times 2 - 10 \times \frac{5}{2} \times 3.14 \times \frac{1}{2} \times 3$$

$$= (450 + 225 - 150) \times 3.14$$

$$= 525 \times 3.14 = 1648.5$$

面積

$$\underline{A. 1648.5 \text{ cm}^2}$$



$$= \frac{30}{2} \times 3.14 \times \frac{1}{2} + \frac{20}{2} \times 3.14 \times \frac{1}{2} \times 3 + 30 \times 3.14 \times \frac{1}{2} \times 2$$

$$= (30 + 30 + 30) \times 3.14$$

$$= 90 \times 3.14 = 282.6$$

長さ

$$\underline{A. 282.6 \text{ cm}}$$

2

(10)  $4 \circ 6 = 12$        $9 \times 15 = 3$

$(4 \circ 6) + (9 \times 15) = 12 + 3 = 15$

A. 15

(11)

$8 \circ \square = 8 \times \underbrace{(6 \times 21)}_3 = 24$

$0) 8, \square$   
 $\Delta, \star$

$\bigcirc \times \Delta \times \star = 24$

1, 2, 4, 8

$\bigcirc = 1 \Rightarrow \Delta = 8$      $1 \times 8 \times \star = 24$      $\star = 3 \rightarrow \square = 3$

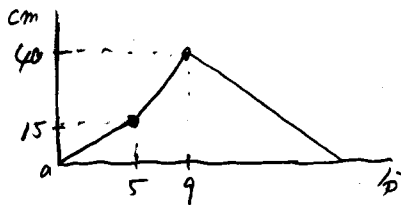
$\bigcirc = 2 \Rightarrow \Delta = 4$      $2 \times 4 \times \star = 24$      $\star = 3 \rightarrow \square = 2 \times 3 = 6$

$\bigcirc = 4 \Rightarrow \Delta = 2$      $4 \times 2 \times \star = 24$      $\star = 3 \rightarrow \square = 4 \times 3 = 12$

$\bigcirc = 8 \Rightarrow \Delta = 1$      $8 \times 1 \times \star = 24$      $\star = 3 \rightarrow \square = 8 \times 3 = 24$

A. 4個

3



(12)  $5 \sim 9 \text{ 分 } 15 \text{ cm} \rightarrow 800 \times 15 \div 5 = 2400 \text{ cm}^3/\text{分} = 2.4 \text{ l/分}$

A. 毎分 2.4 l

(13)  $5 \sim 9 \text{ 分 } 15 \text{ cm} \sim 40 \text{ cm} \text{ の } 25 \text{ cm} \text{ の } \Delta$

$800 \times 25 \div 4 = 5000 \text{ cm}^3/\text{分} = 5 \text{ l/分} \dots A+B$

$B = 5 - 2.4 = 2.6$

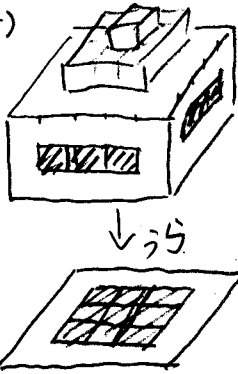
A. 毎分 2.6 l

(14)  $B \times C \text{ 分 } 4.2 - 2.6 = 1.6 \text{ l/分} \text{ へ}$

$(800 \times 40 \div 1000) \text{ l} \div 1.6 = 20 \text{ 分} \quad 9 + 20 = 29$

A. 29分後

4 (15)



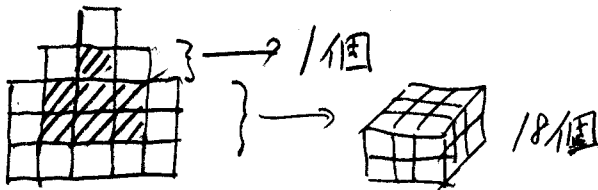
$$\begin{aligned} & \text{[shaded unit]} \times 4 + \text{[unshaded unit]} \times 1 \\ & = 12 + 9 = 21 \end{aligned}$$

A. 21個

(16) 3面 → ~~面~~ 角9ヶ所

A. 12個

(17) 正面から見た時

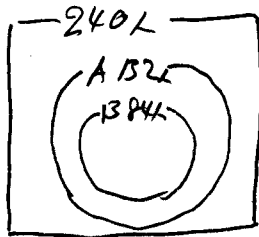


A. 19個

5  $240 \times 0.55 = 132 \text{人} \dots A \text{利用}$

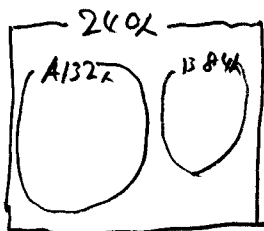
$240 \times 0.35 = 84 \text{人} \dots B \text{利用}$

(18)



の場合  $240 - 132 = 108$

最大  
A. 108人



の場合  $240 - (132 + 84) = 24$

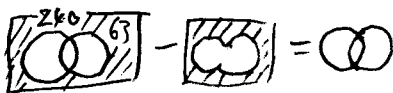
最小  
A. 24人

(19)

$240 - 63 = 177 \dots A+B$

$132 + 84 - 177 = 39$

$39 \div 240 = 0.1625$



$\text{①} + \text{②} - \text{③} = \text{④}$

A. 16.25%

(20)  $132 - 39 = 93 \text{人}$

$93 \div 240 = 0.3875$

A. 38.75%