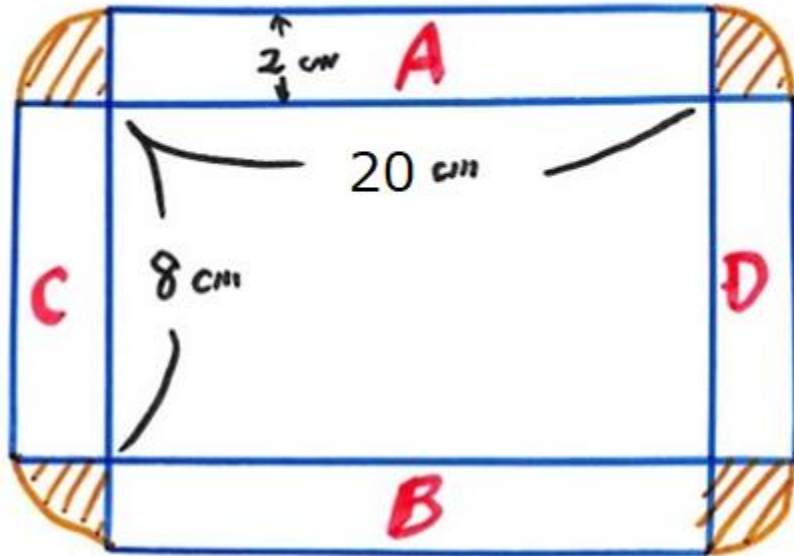


外側

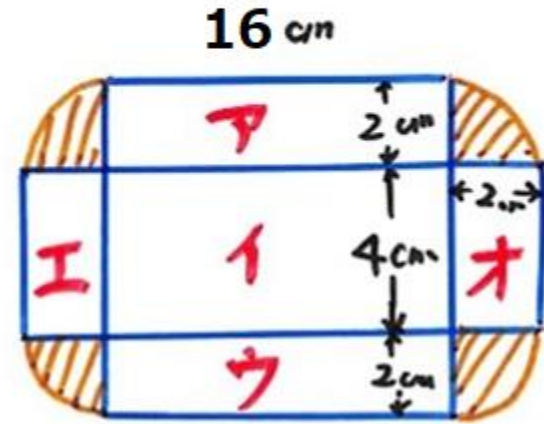


$$A+B=2 \times 20 \times 2=80$$

$$C+D=2 \times 8 \times 2=32$$

$$A+B+C+D=112$$

内側



$$\text{ア}+\text{イ}+\text{ウ}=16 \times 8=128$$

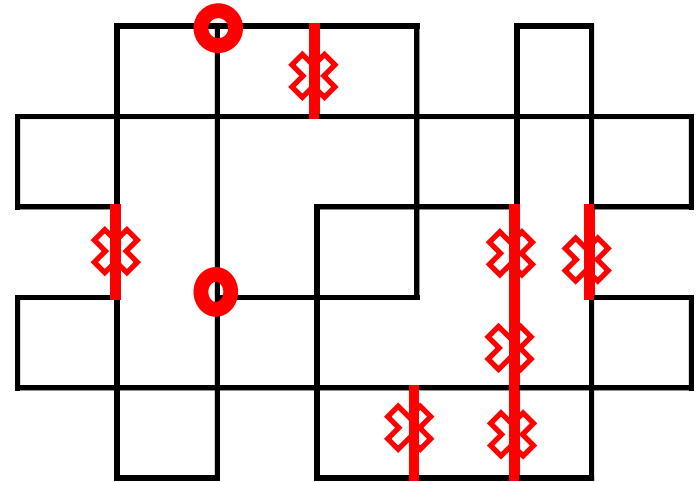
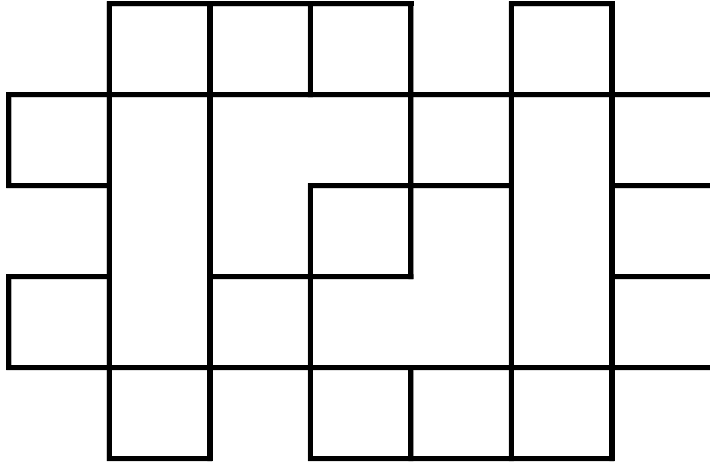
$$\text{エ}+\text{オ}=2 \times 4 \times 2=16$$

$$\text{ア}+\text{イ}+\text{ウ}+\text{エ}+\text{オ}=144$$

$$\therefore 144-112=32$$

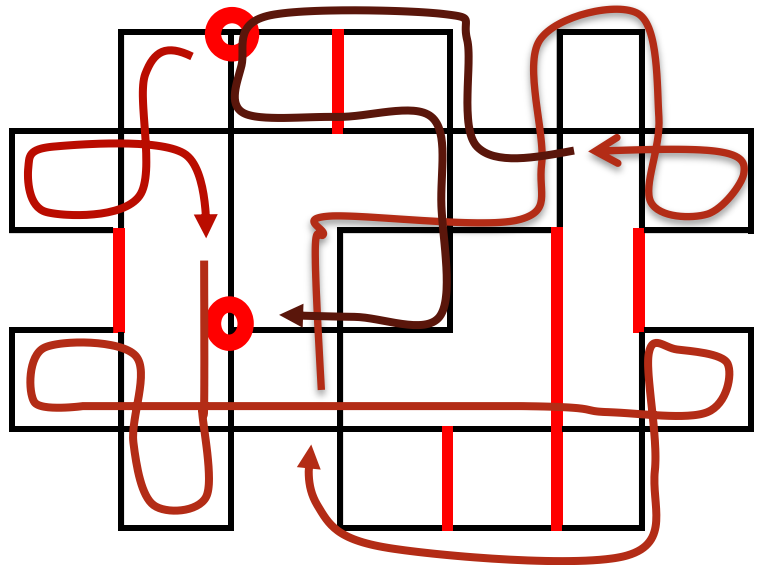
HJ35 23%

一筆書き



成立要件

3本の交点が2箇所



HJ36 57%

A

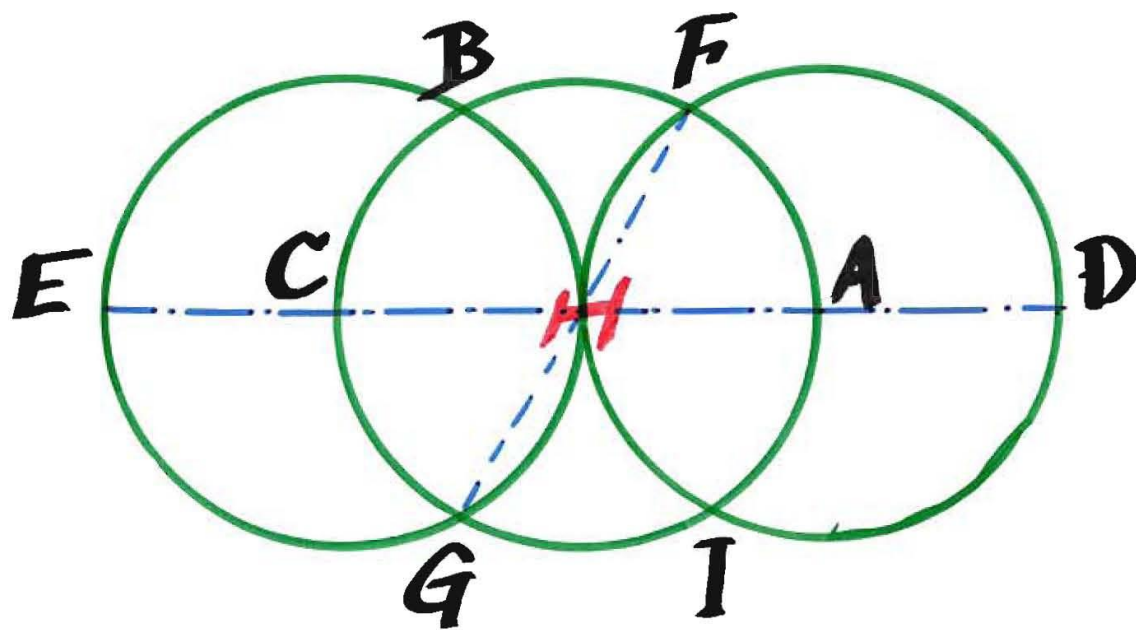
	1	1	1	1	*	
1	2	1		2	1	
1	3	3	3	5		
1	4	7	10	15	1	1
				P		
				1	2	3
				1	3	6

$$15 \times 6 = 90$$

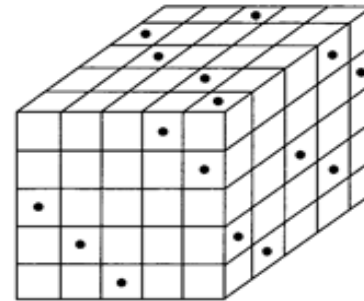
B

HJ3 7 45%

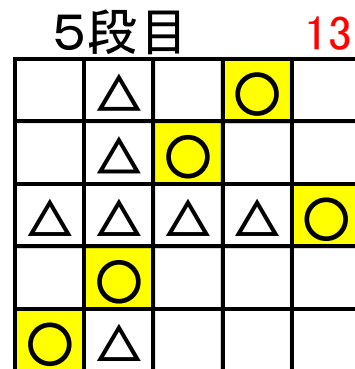
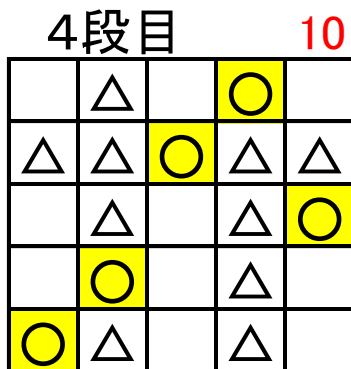
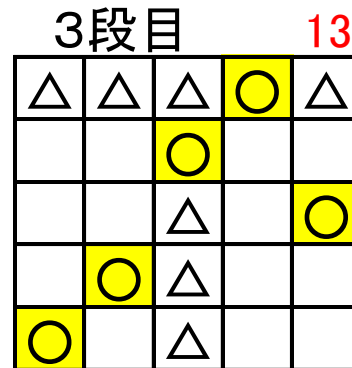
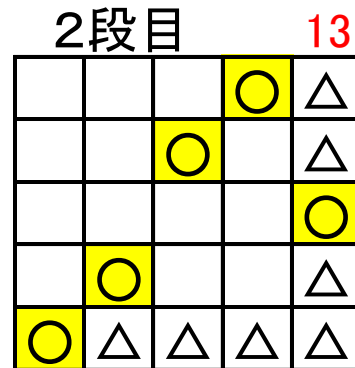
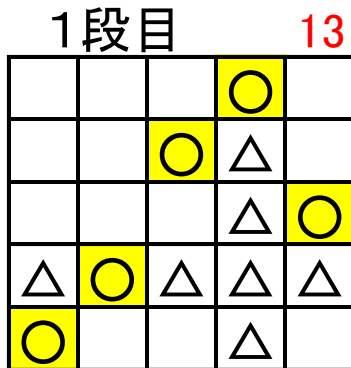
ヒントの多し、H を中心に



HJ38 62%



正面



○ 1段目から5段目まで
△ 2段目以降

$$13 \times 4 + 10 = 62$$



I

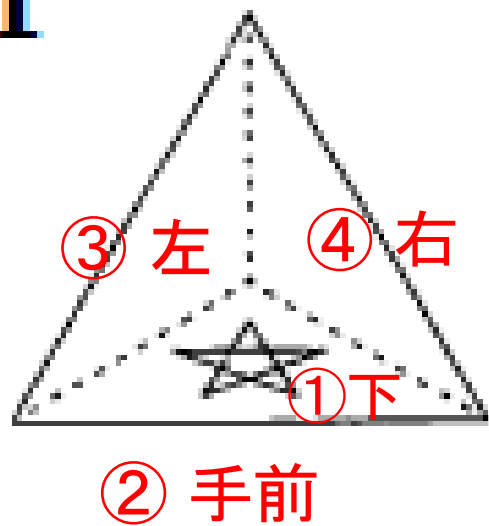


図 I



図 II

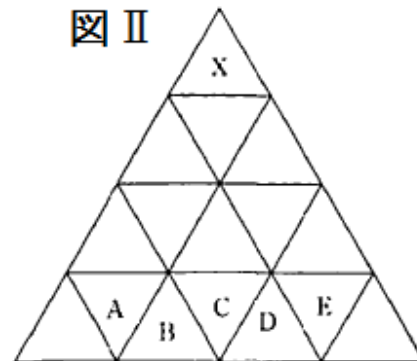
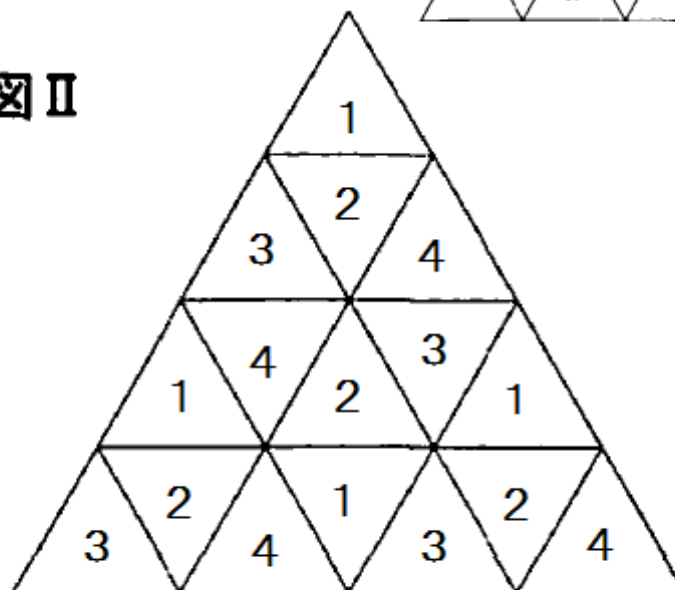
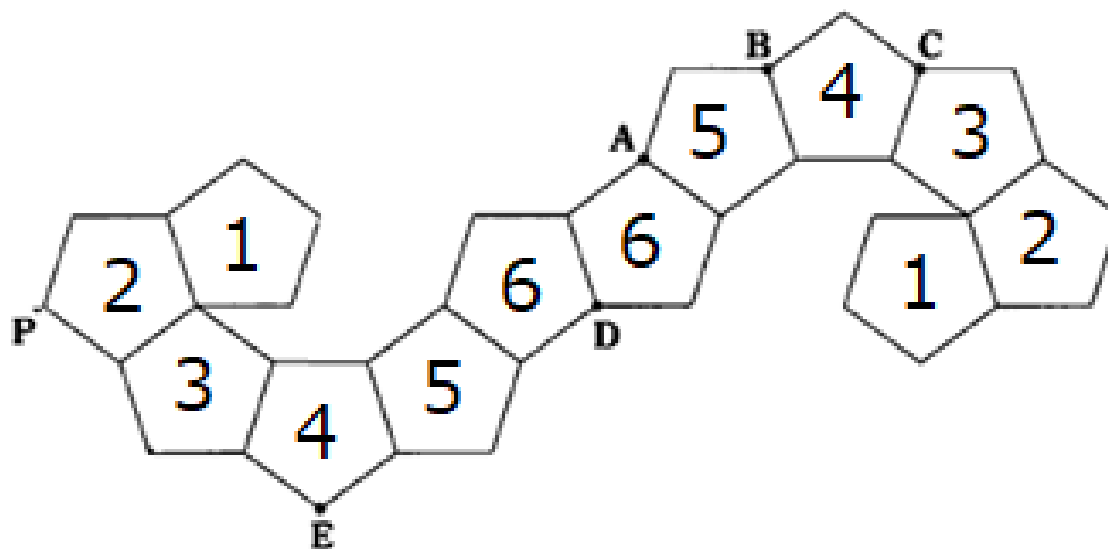


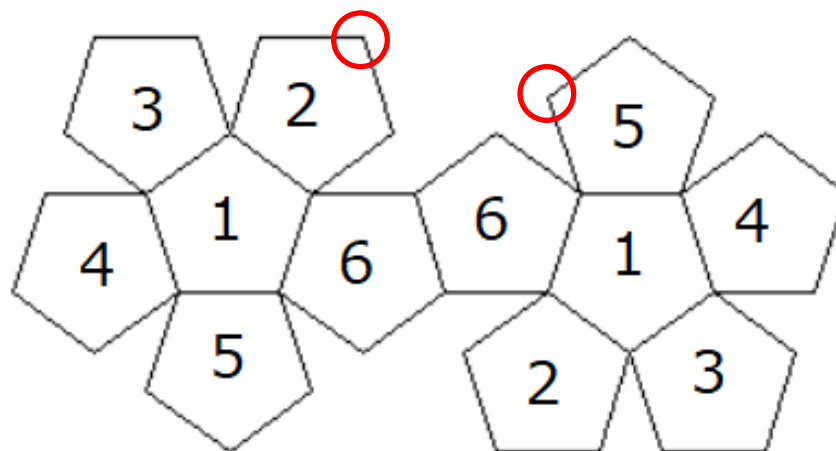
図 II



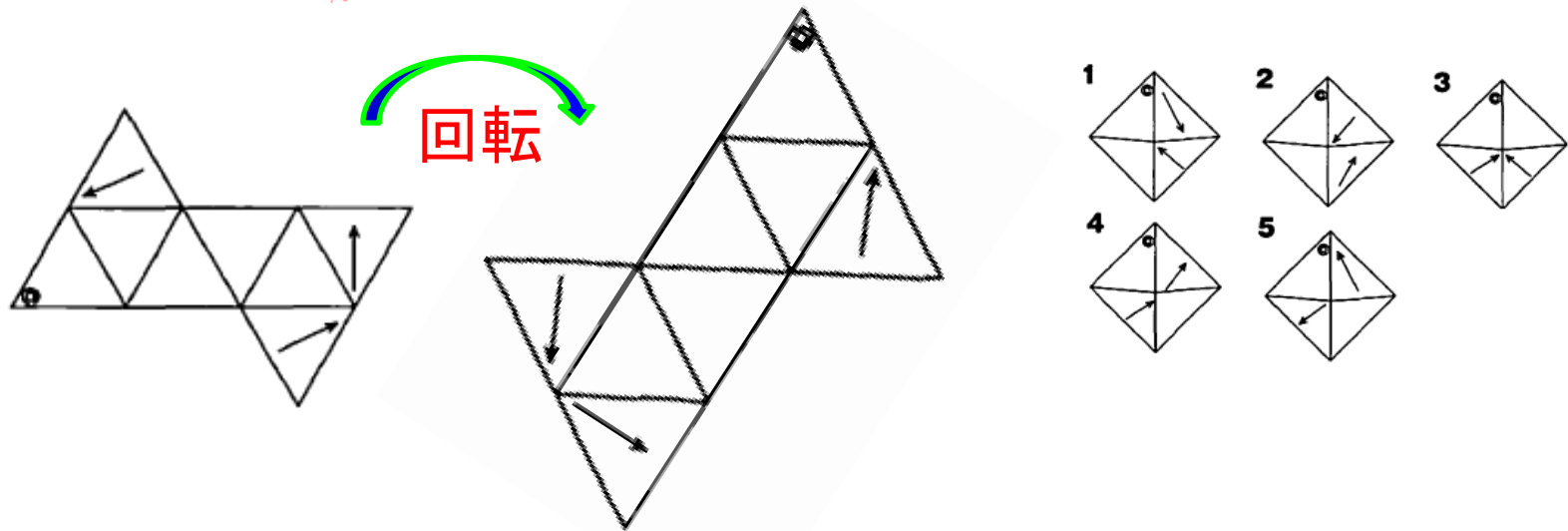
HJ3 11 49%



正12面体の基本形に近ずける工夫し:
番号付与



HJ3 12 41%



観察:

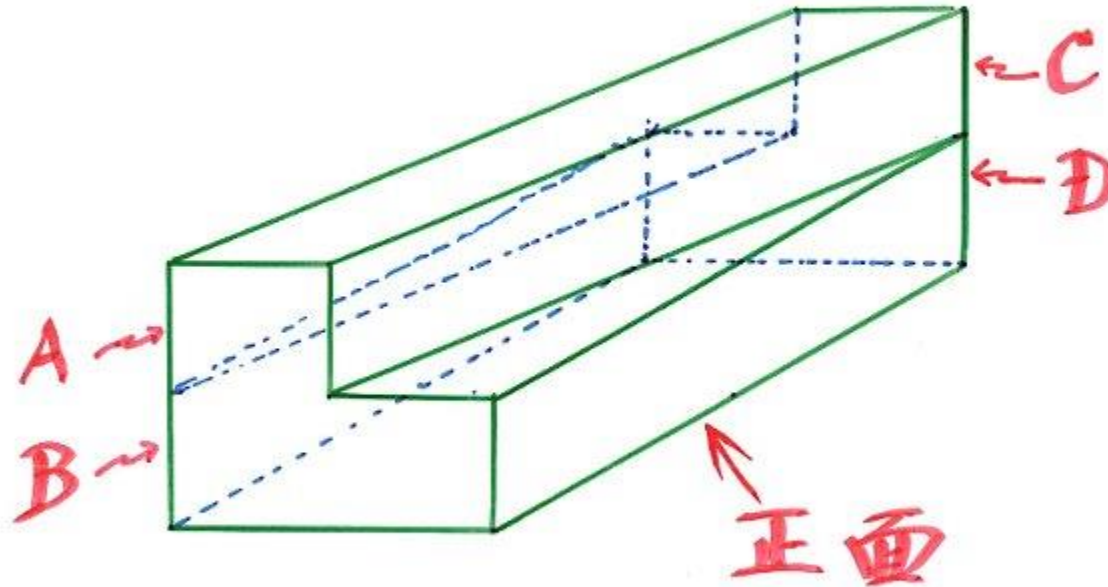
- 1 三角形の⊙が上のとき下の面は空白
- 2 ⊙のある三角形の下右角に下から矢先

選択肢検討:

要件1から, 肢3, 4, 5を除外

要件2から, 1が該当

HJ3 13 45%



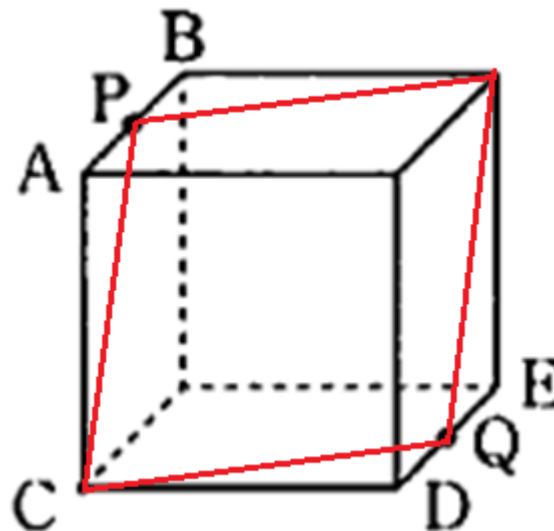
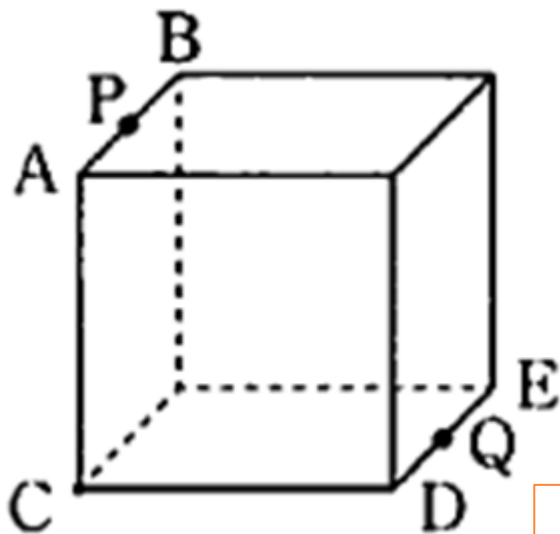
上四角柱の辺: 底面2, 側面4, 上面4 = 10

下四角柱の辺: 底面4, 側面4, 上面4 = 12

合計 : 22

HJ3 14 55%

H9_7 78%



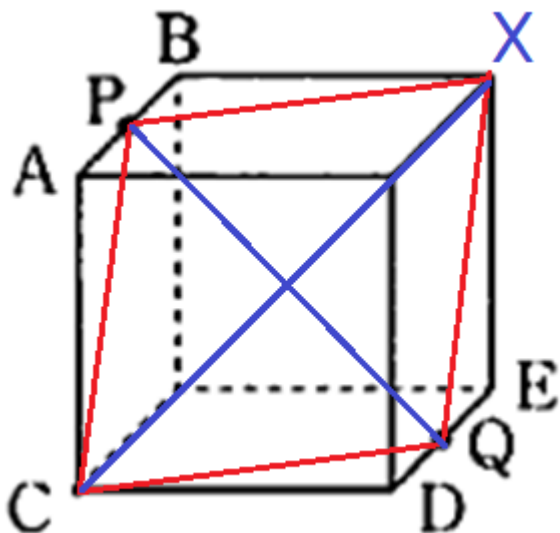
$$\begin{aligned} \text{菱形の面積} &= \text{対角線} \times \text{対角線} \div 2 \\ &= PQ \times CX \div 2 \end{aligned}$$

1辺の長さに対し

$$PQ = \sqrt{2}, \quad CX = \sqrt{3}$$

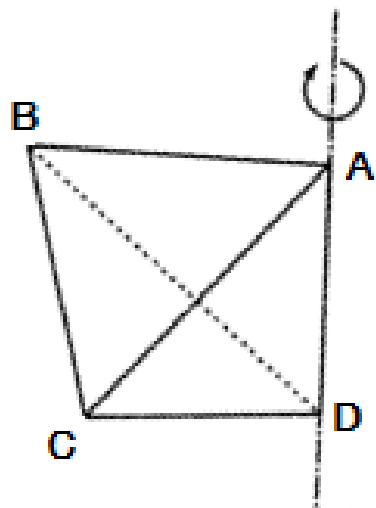
1辺4cmでは

$$\begin{aligned} \text{面積} &= 4\sqrt{2} \times 4\sqrt{3} \div 2 \\ &= 8\sqrt{6} \end{aligned}$$



HJ3 15 35%

13_J3Q15 35%



12_9Q6 86%

