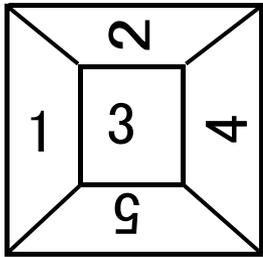
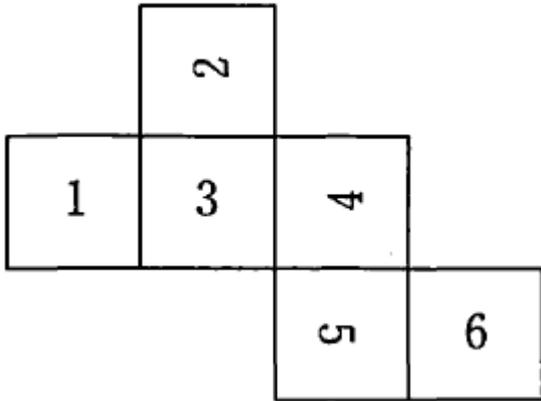
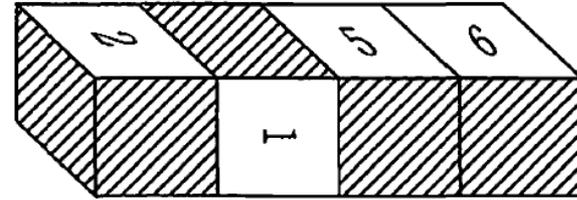
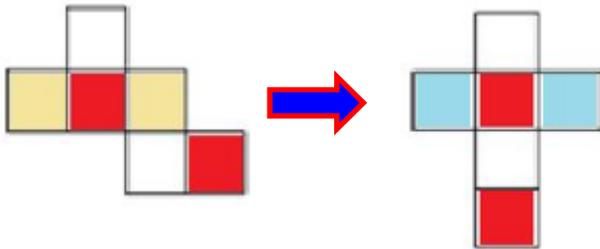


B9 10



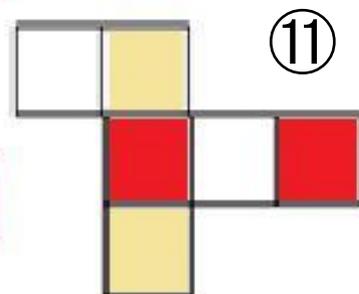
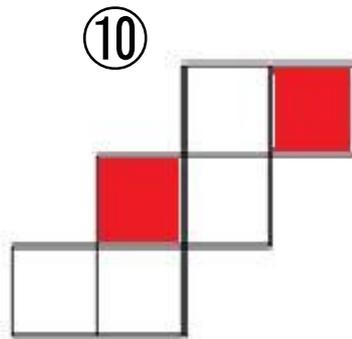
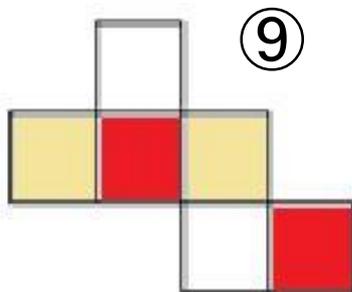
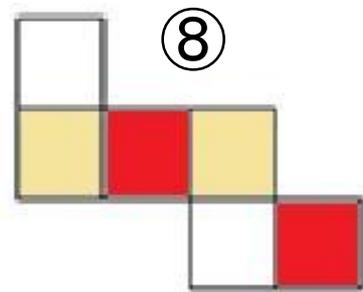
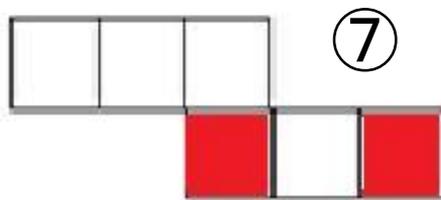
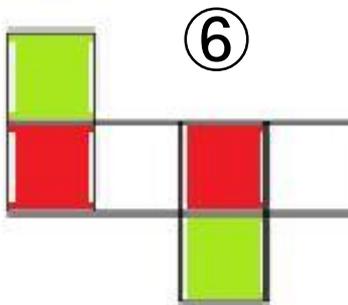
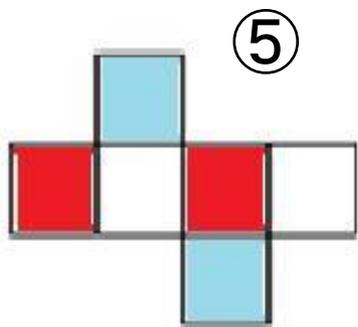
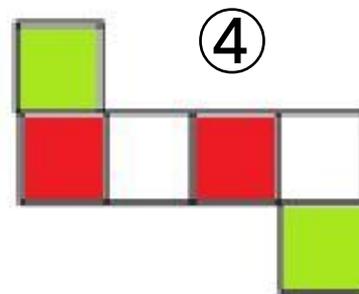
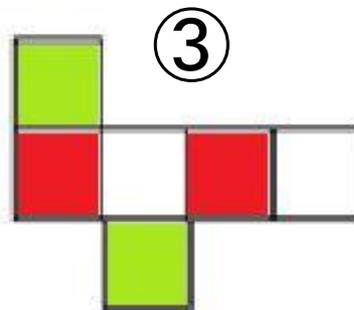
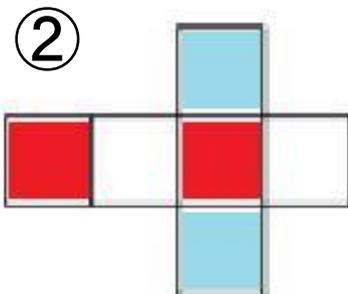
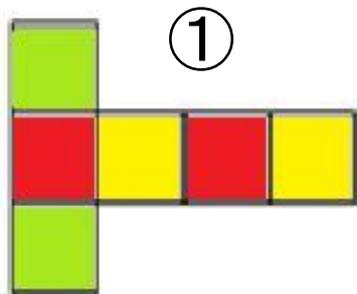
(9)



五面図

- a 中心面を決める 3
- b 同方向 1
- c 相対方向を特定 2の左が3の上
- d 3の右に4の上
- e 5, 6を移動し, 3の下が5の下
- f 5の上に6の左

参考 B9 10

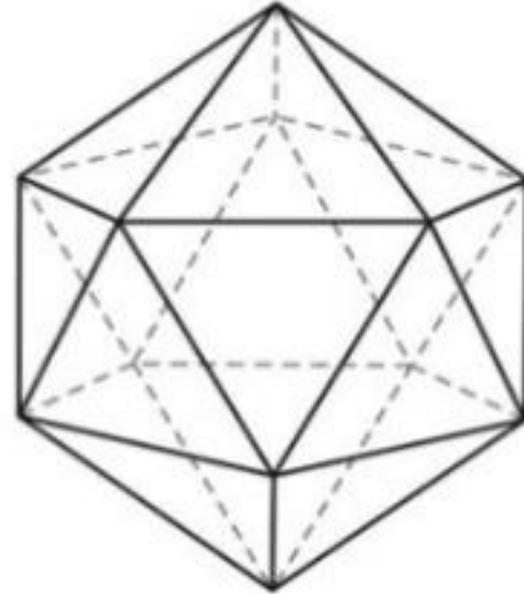


B9 1

正多面体: 4, 6, 8, 12, 20

正20面体

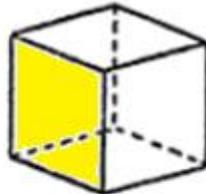
面: 20, 頂点: 12, 辺: 30



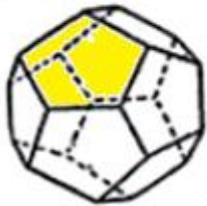
正四面体



正八面体



正六面体



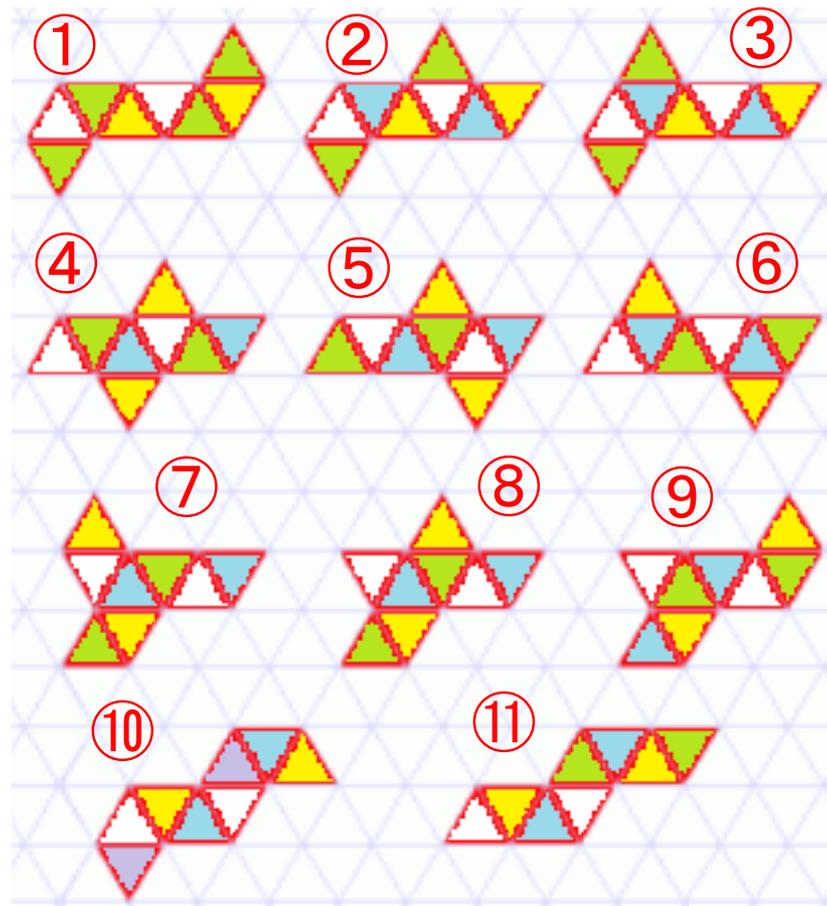
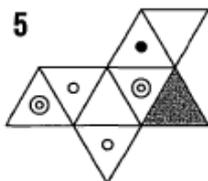
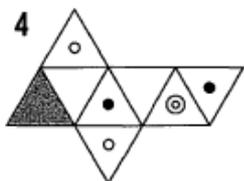
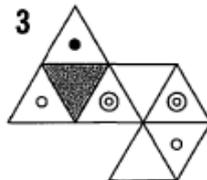
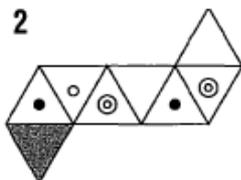
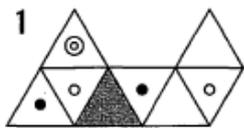
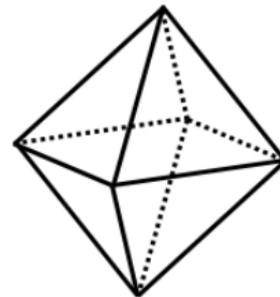
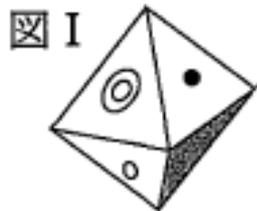
正十二面体



正二十面体

	面の数	辺の数	頂点の数	面の形	1頂点を共有する面
正四面体	4	6	4	正三角形	3
正六面体	6	12	8	正四角形	3
正八面体	8	12	6	正三角形	4
正十二面体	12	30	20	正五角形	3
正二十面体	20	30	12	正三角形	5

B9 9

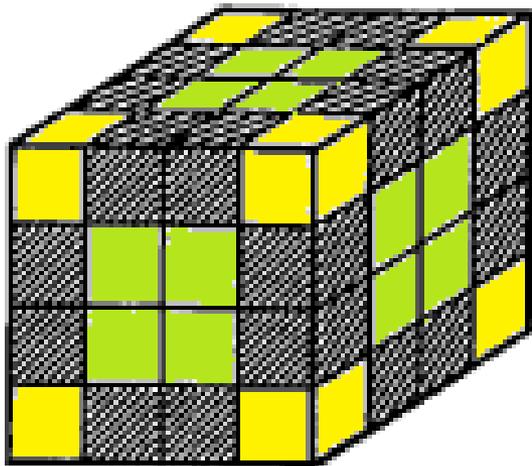


直線6個の上下に1個
 直線5個の上下に1個と2個
 直線4個の上下に1個と3個
 直線4個の上に4個

2: ①, 4: ⑤, 5: ⑧

B9 3

2面が黒



全体： $4 \times 4 \times 4 = 64$ 個

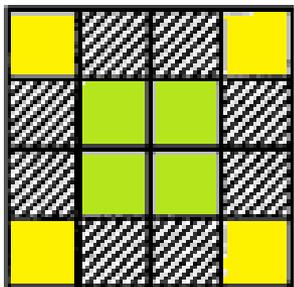
0個の黒：内部2段 8個

1面黒：角辺以外： $4 \times 6 = 24$ 個

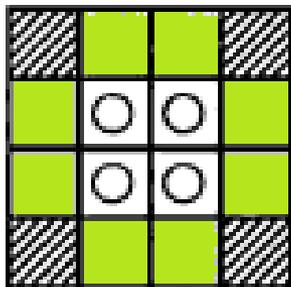
3面黒：角 8個

2面黒：残り $= 64 - (8 + 24 + 8)$
 $= 24$ 個

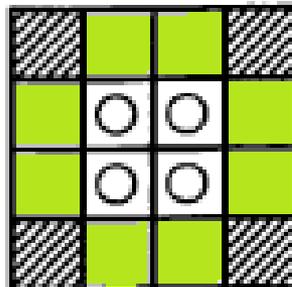
1 段目



2 段目



3 段目



4 段目

