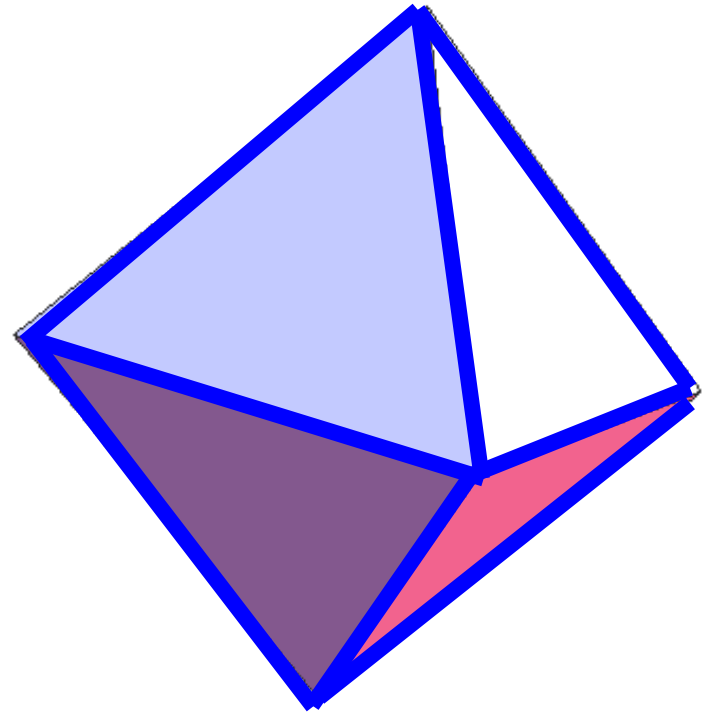
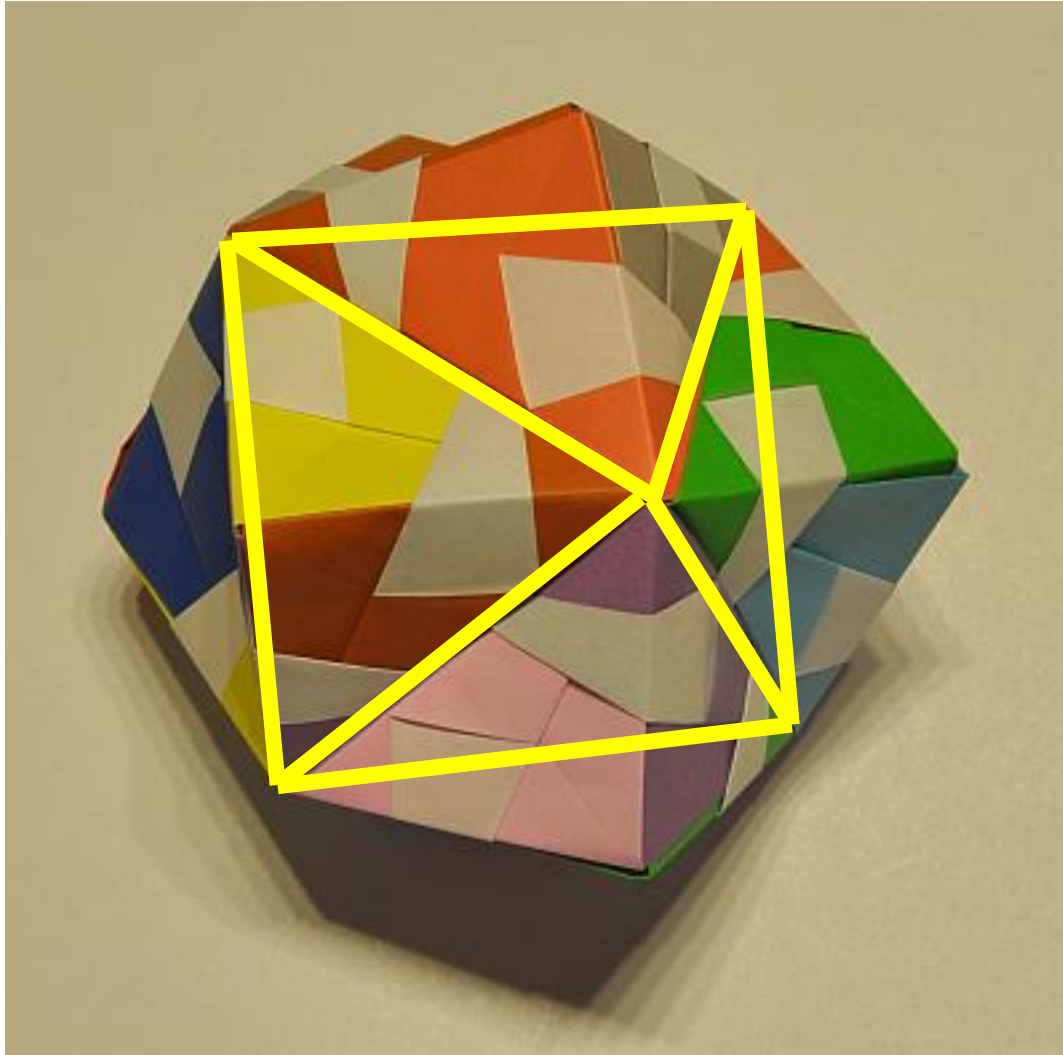


折り紙で正8面体を折ってみよう！

折り紙で**12本の辺**の部品を作り、それらをつなげて正8面体を作る。

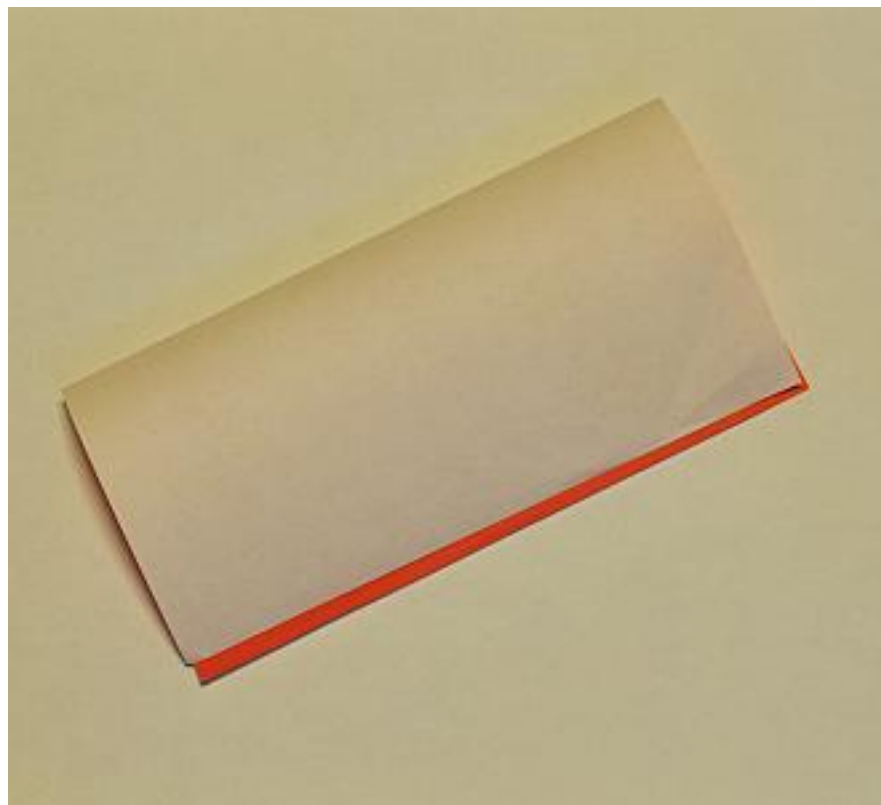
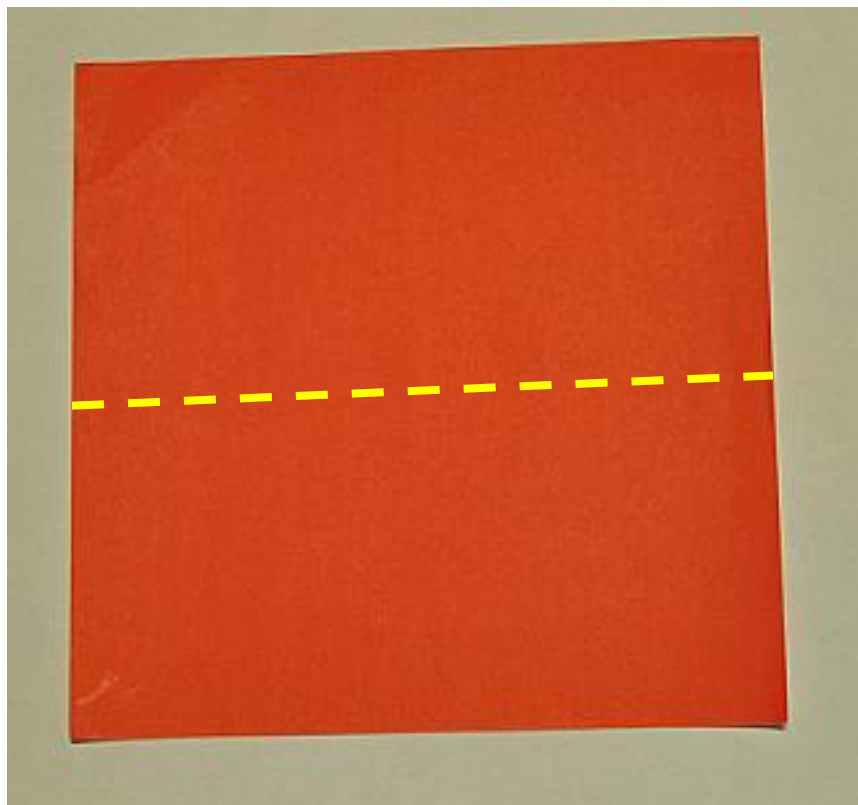
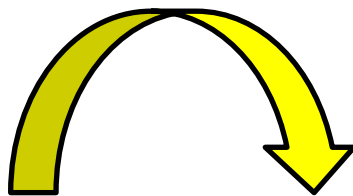




正八面体
Octahedron

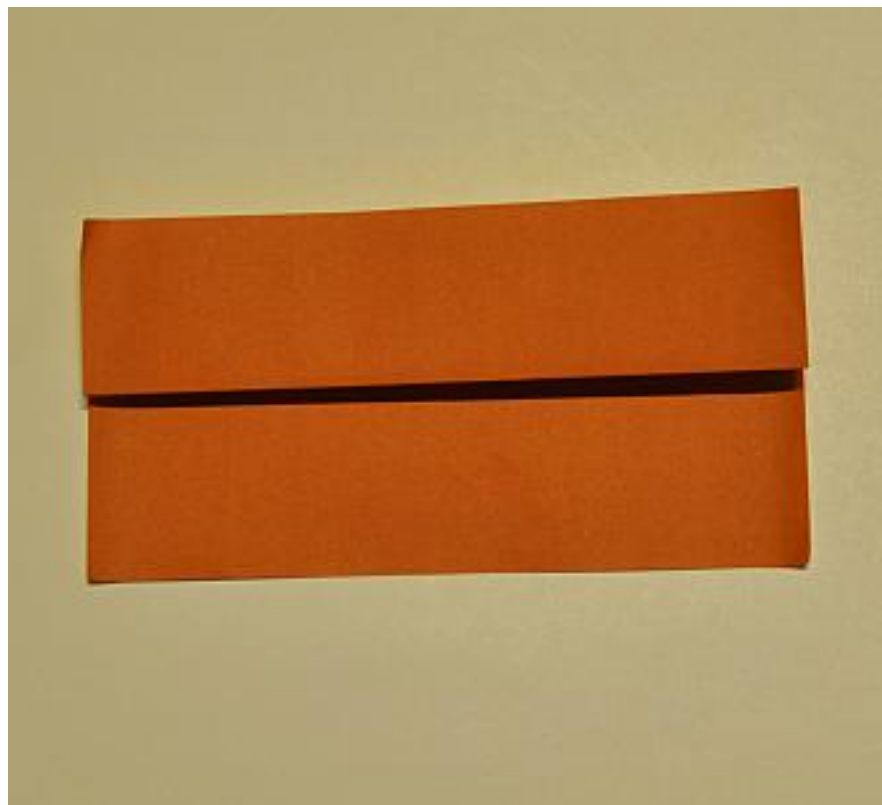
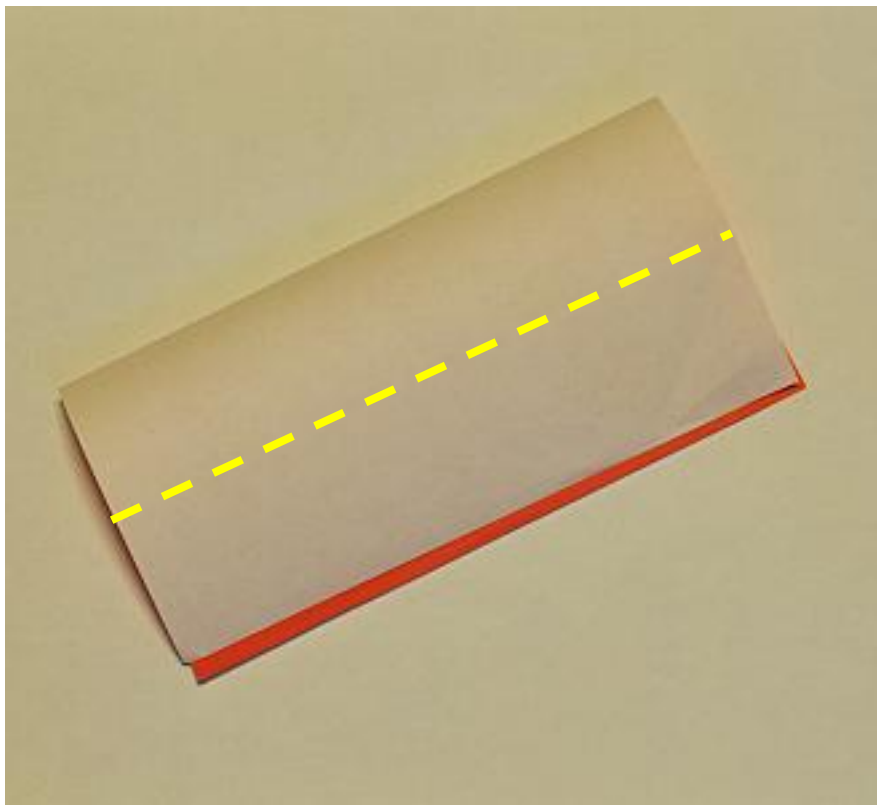
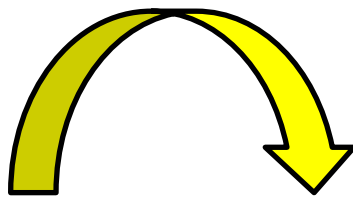
「辺」の部品を作ろう

①



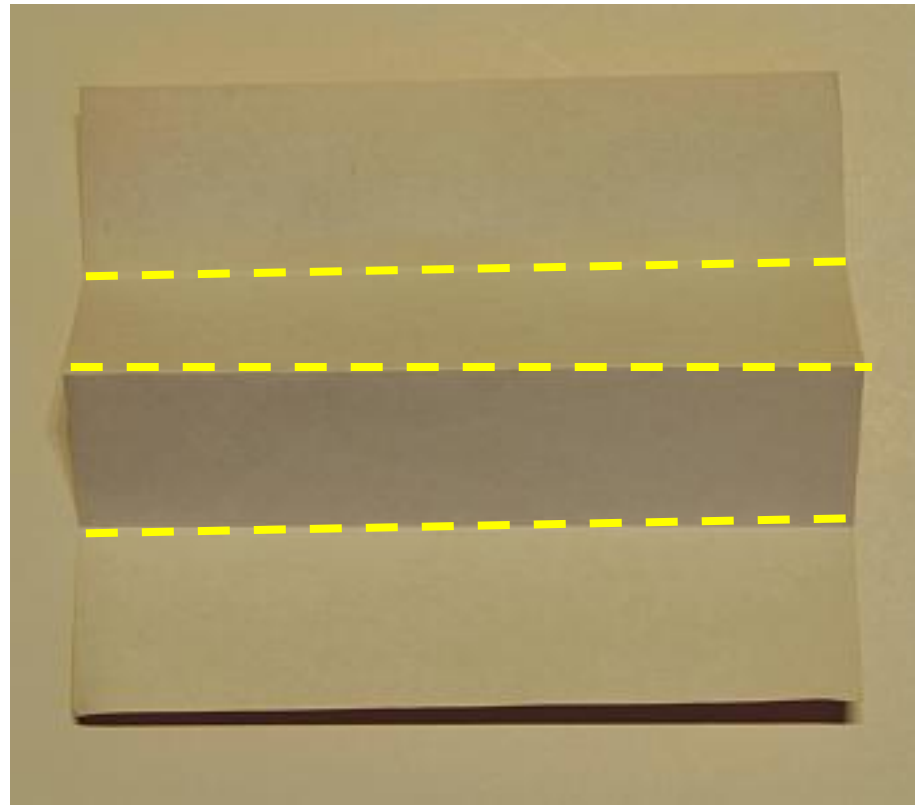
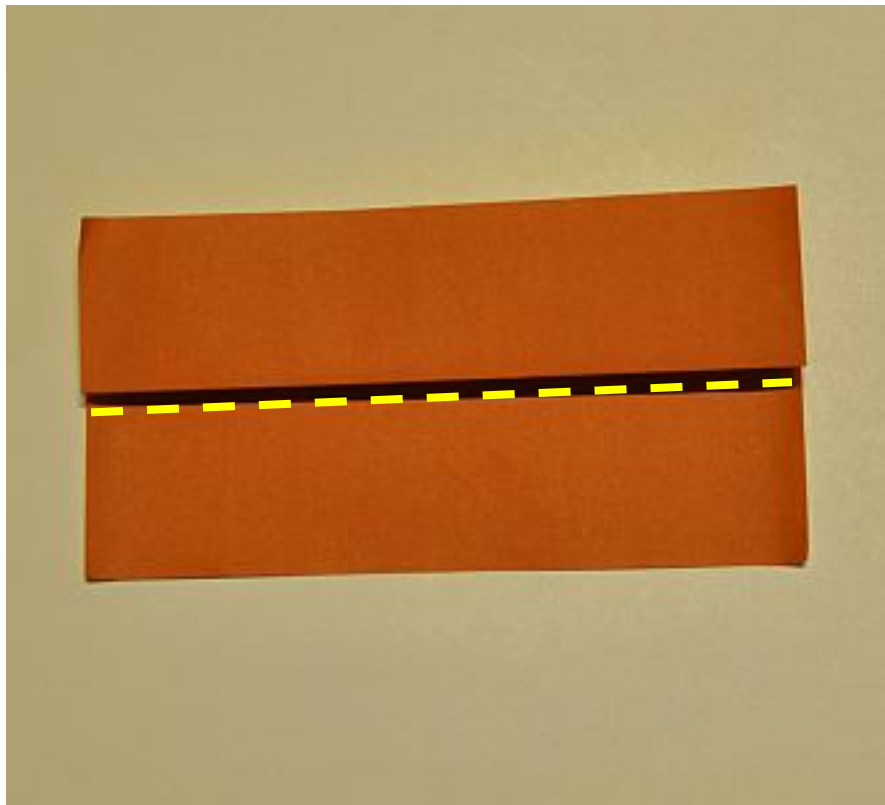
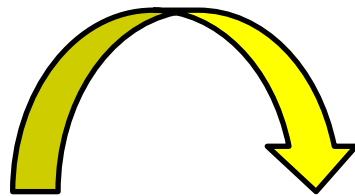
半分に折る

②



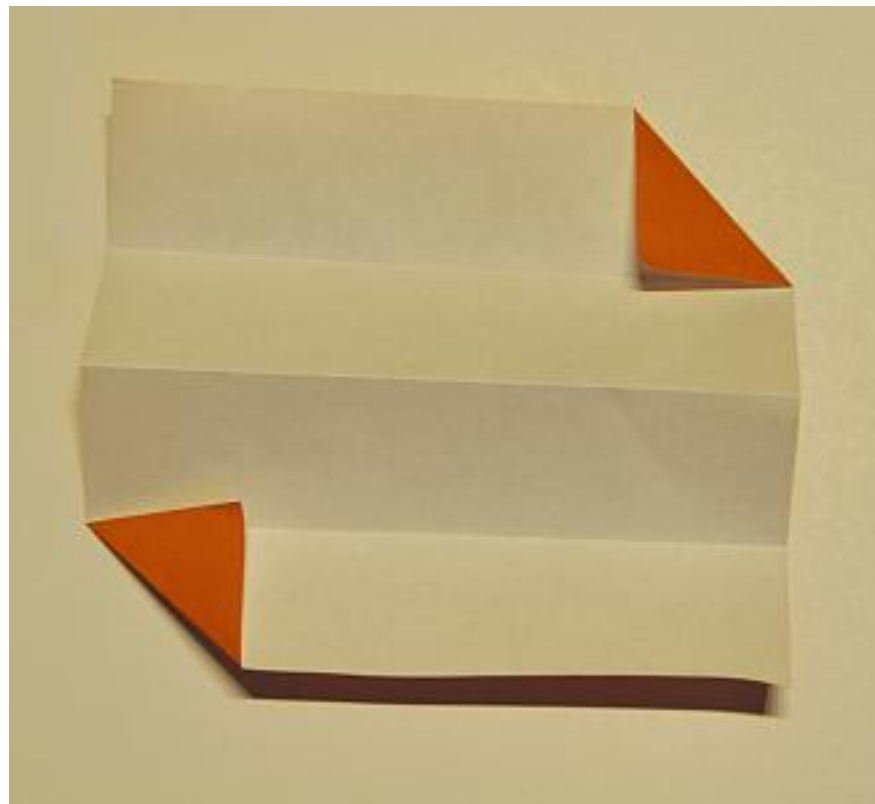
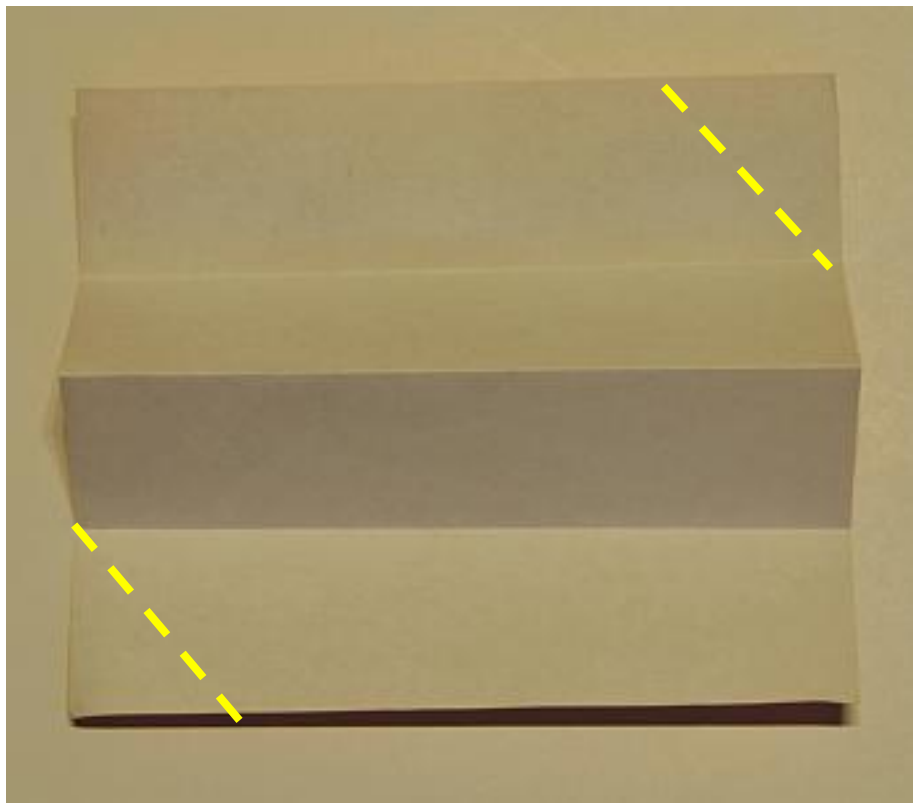
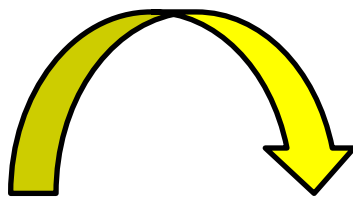
もう一回折って...

③



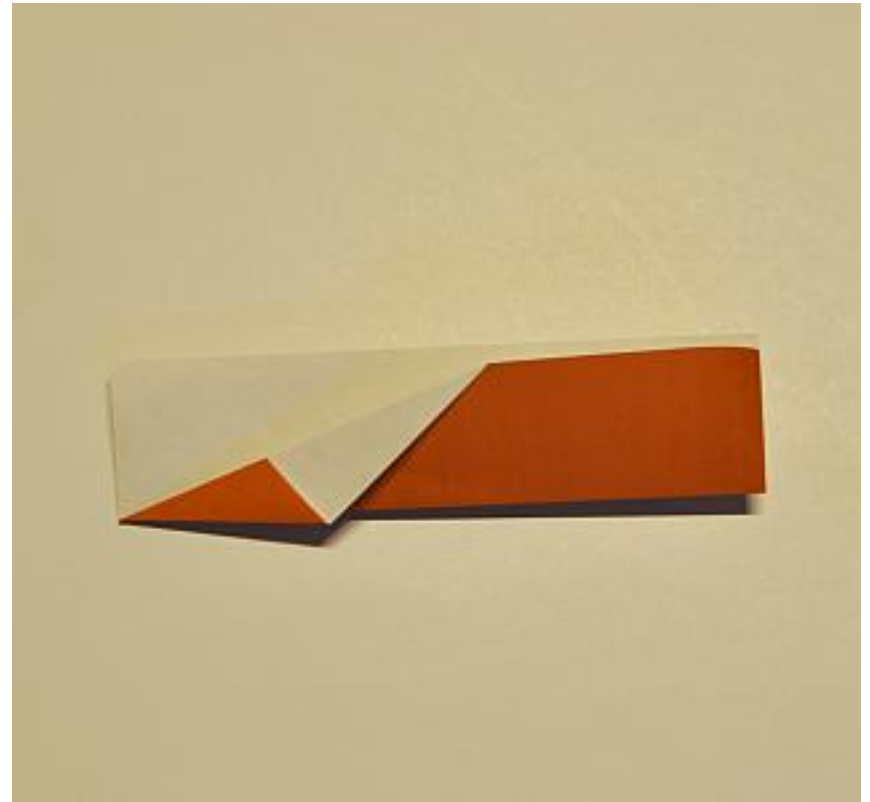
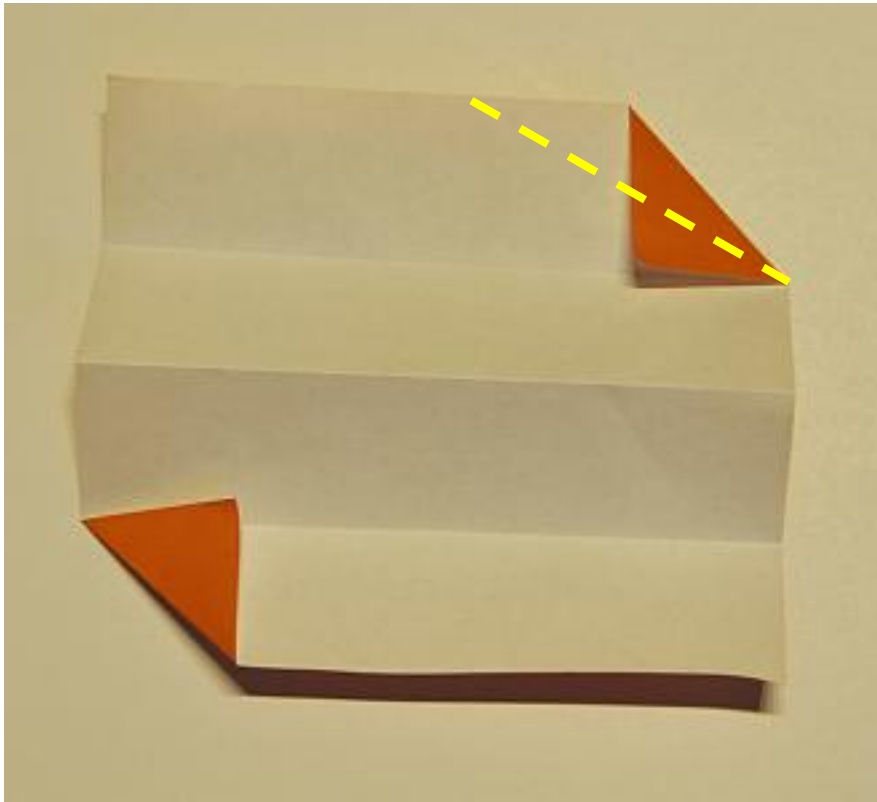
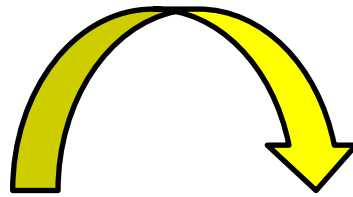
4等分にする

④



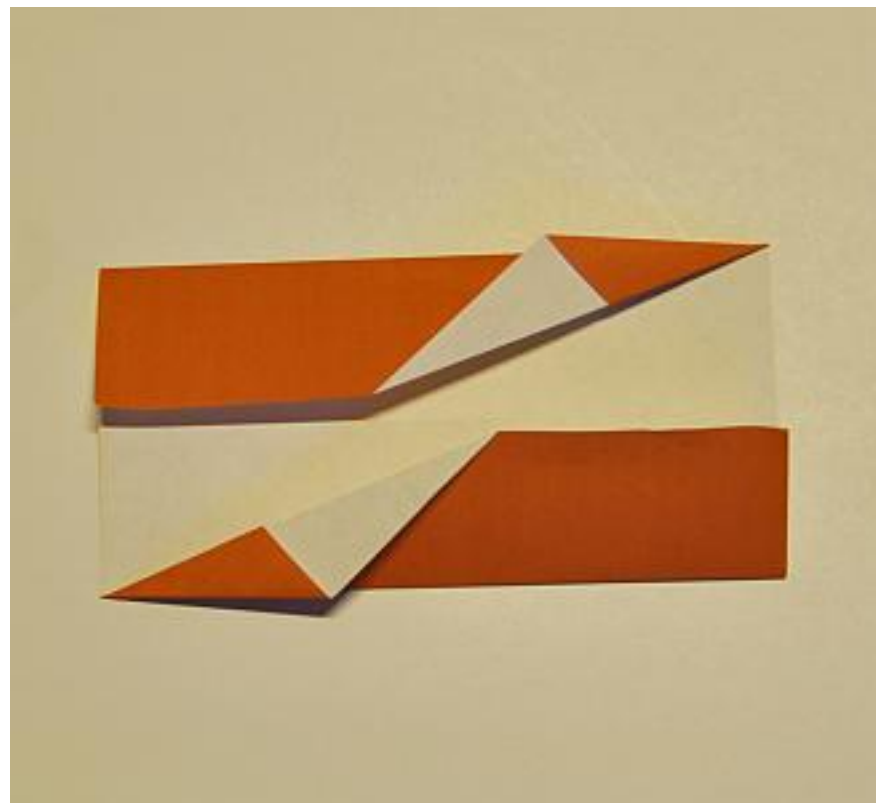
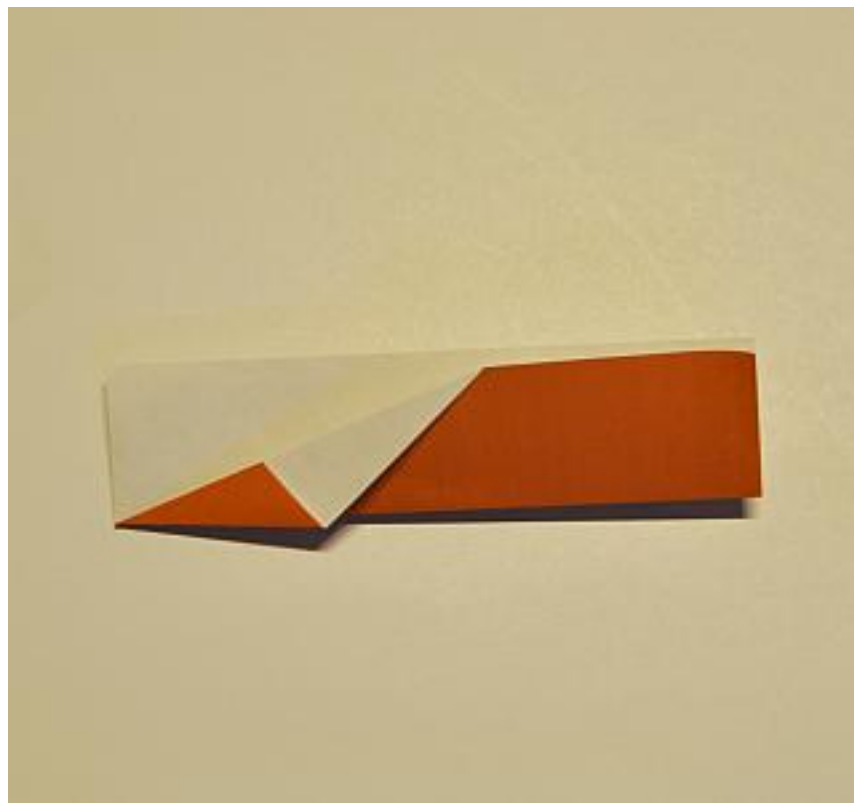
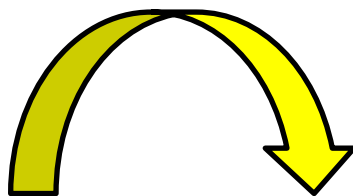
左下と右上を折る

⑤



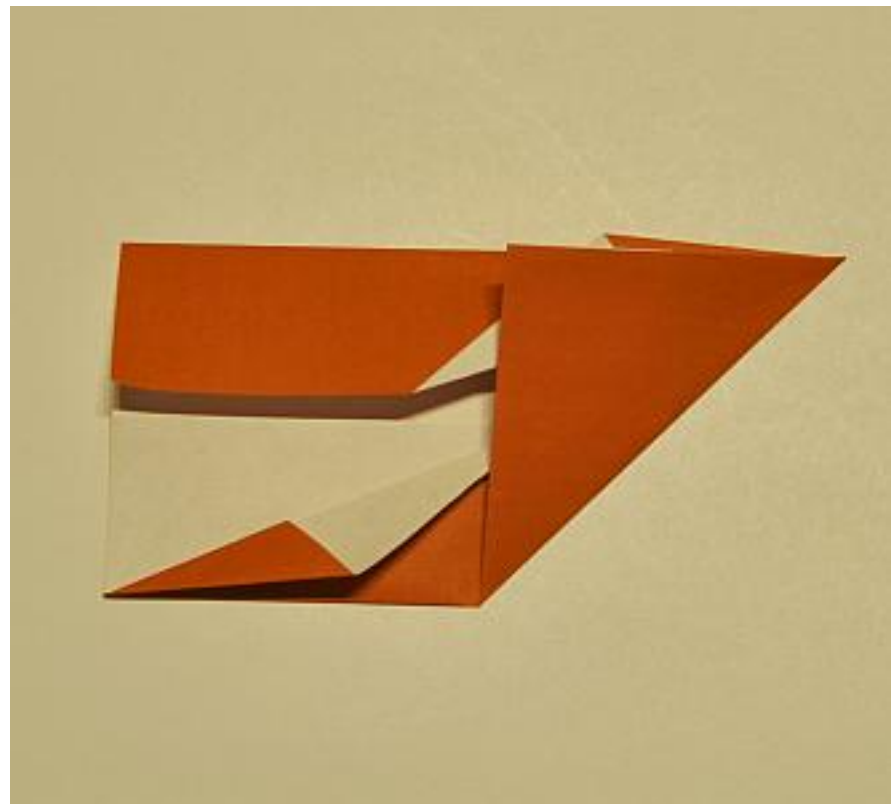
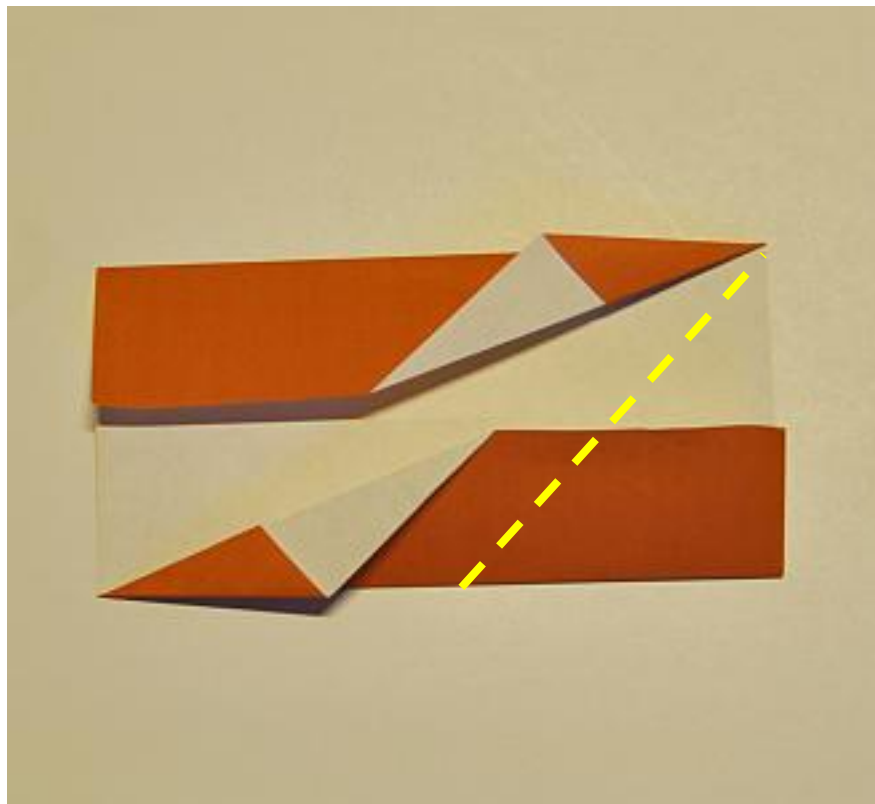
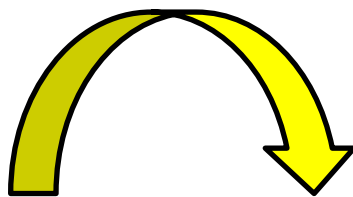
4等分に折ってから上のように折る

⑥



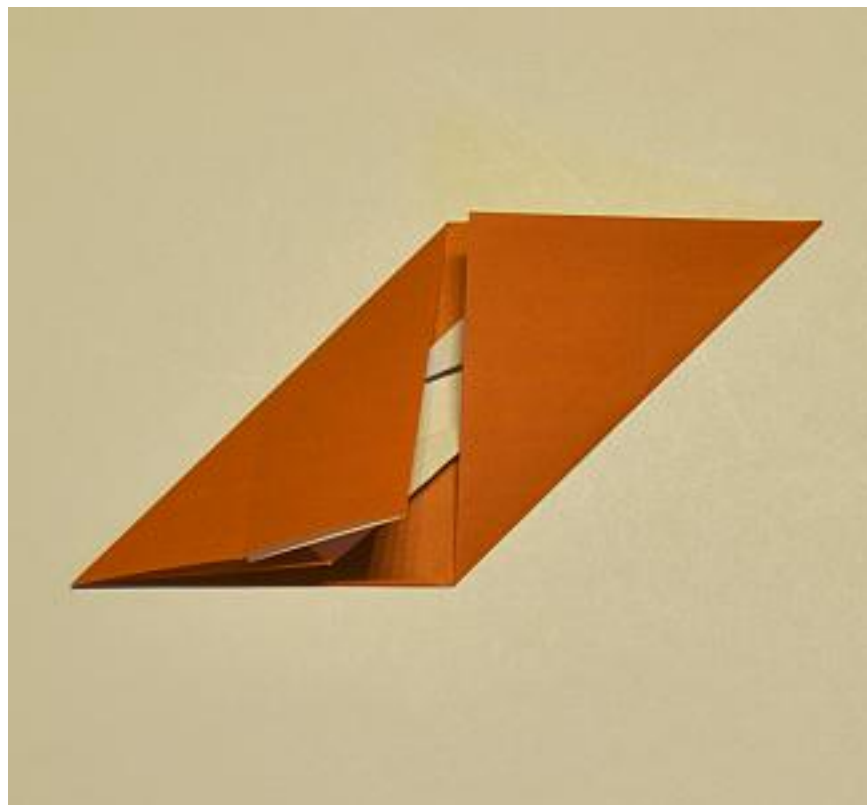
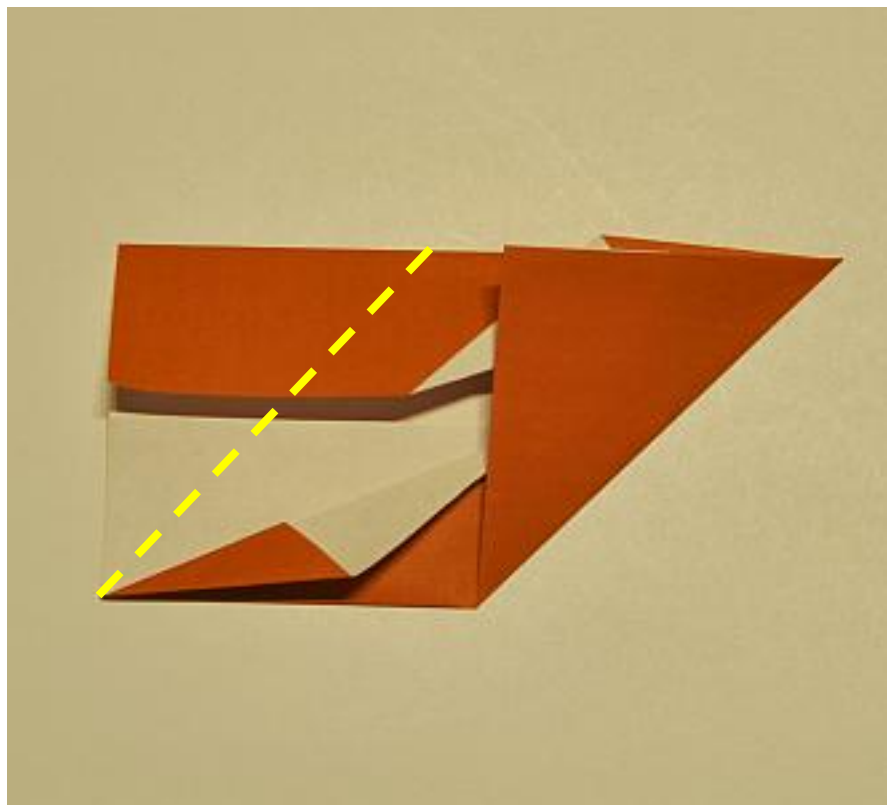
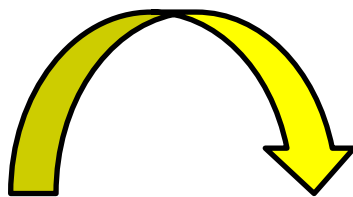
うらがえ はんたいがわ
裏返して反対側も同じように折ると・・・

7



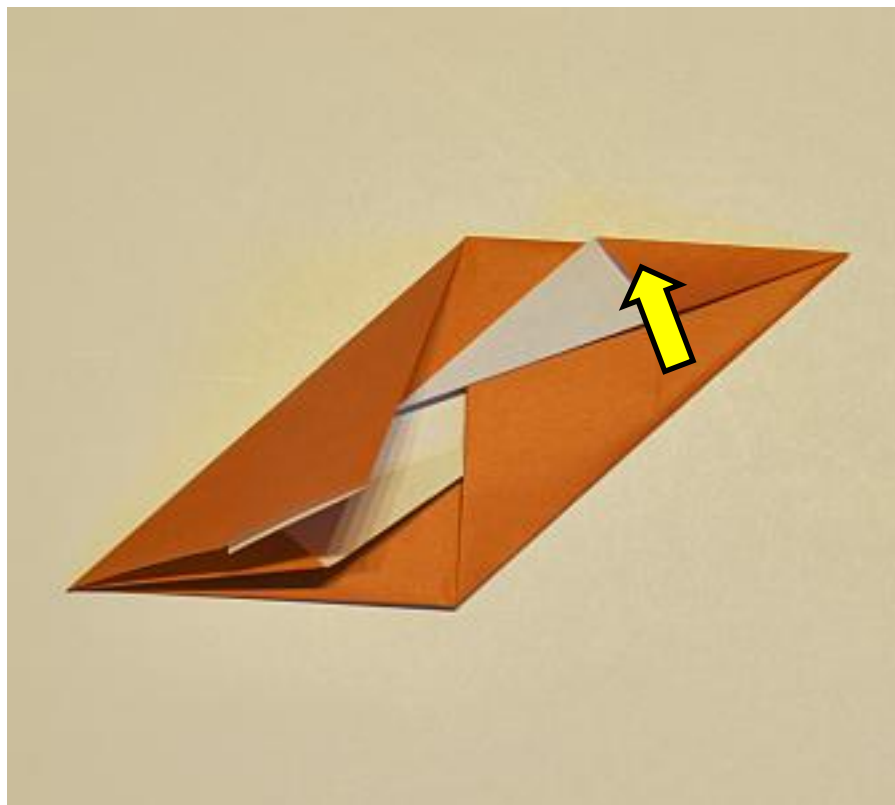
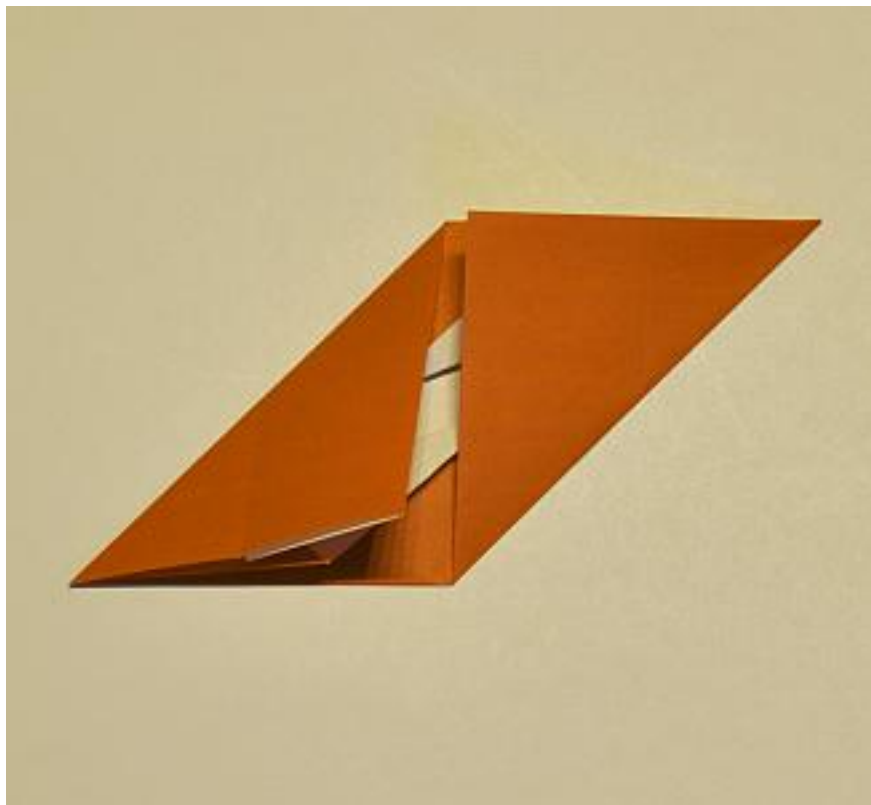
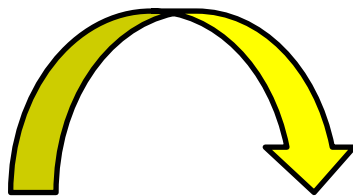
上のように直角三角形を作るように折る

⑧



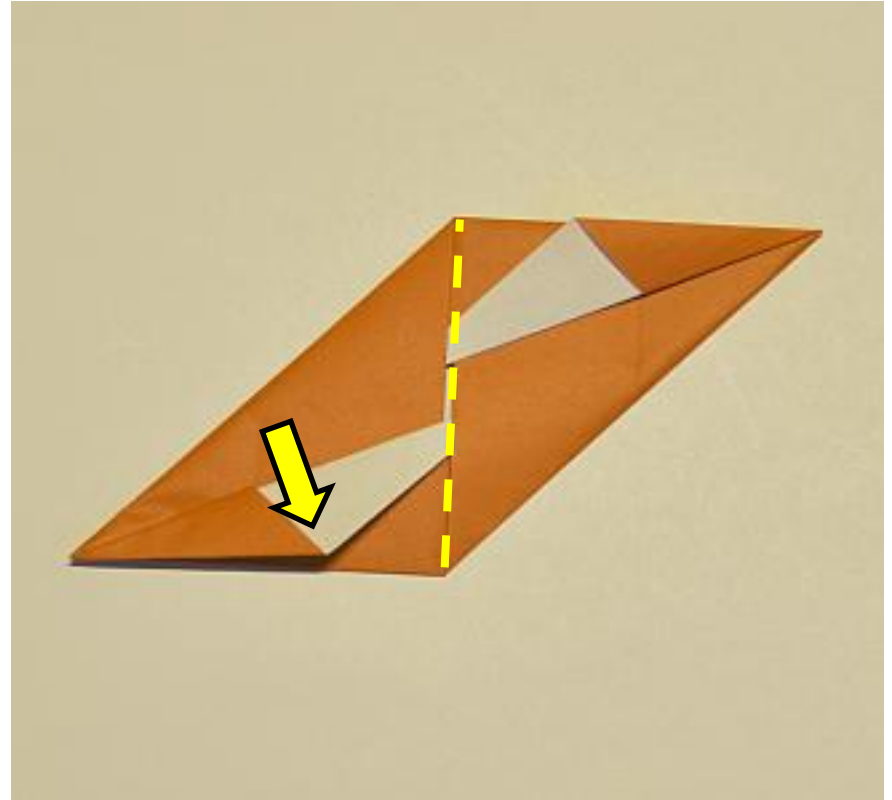
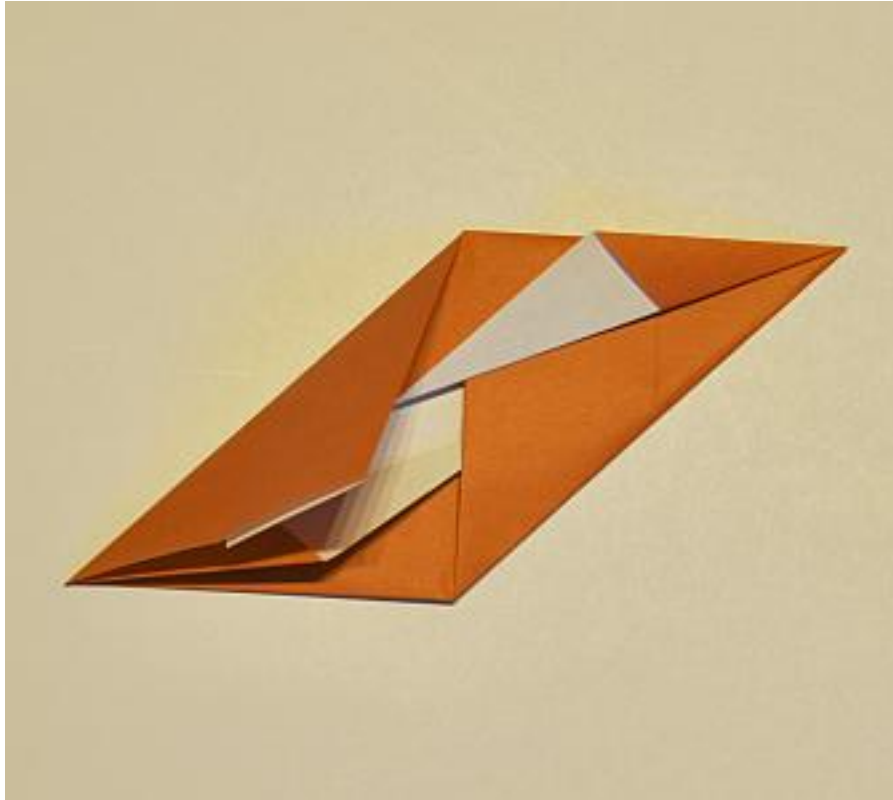
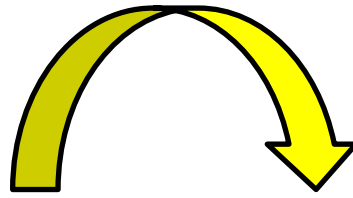
はんたいがわ
反対側も同じように折って・・・

⑨



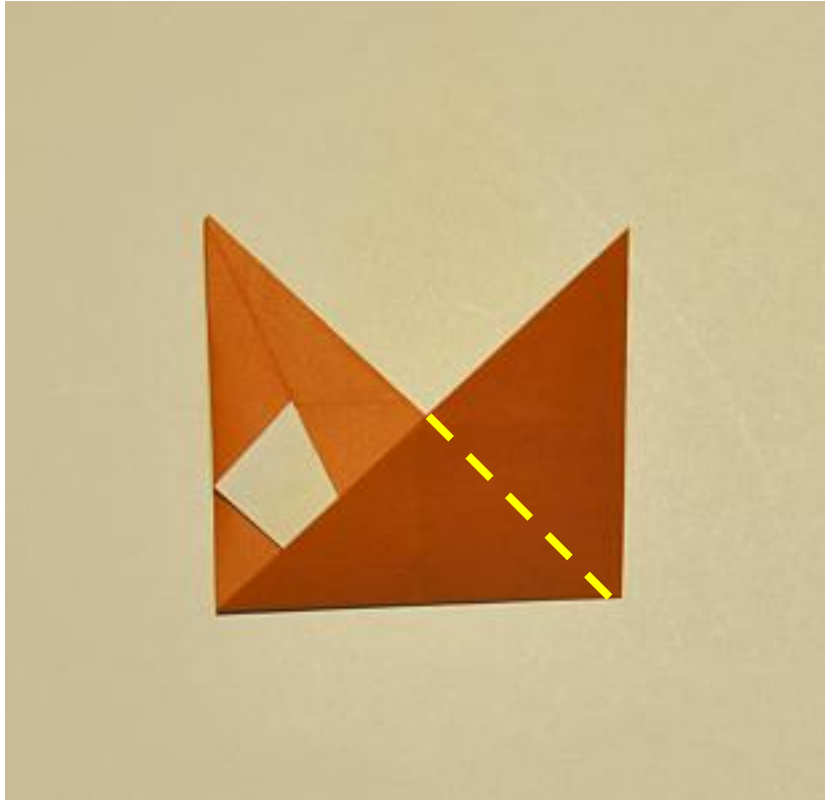
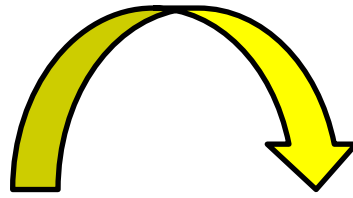
おった部分を中心に差し込む

10



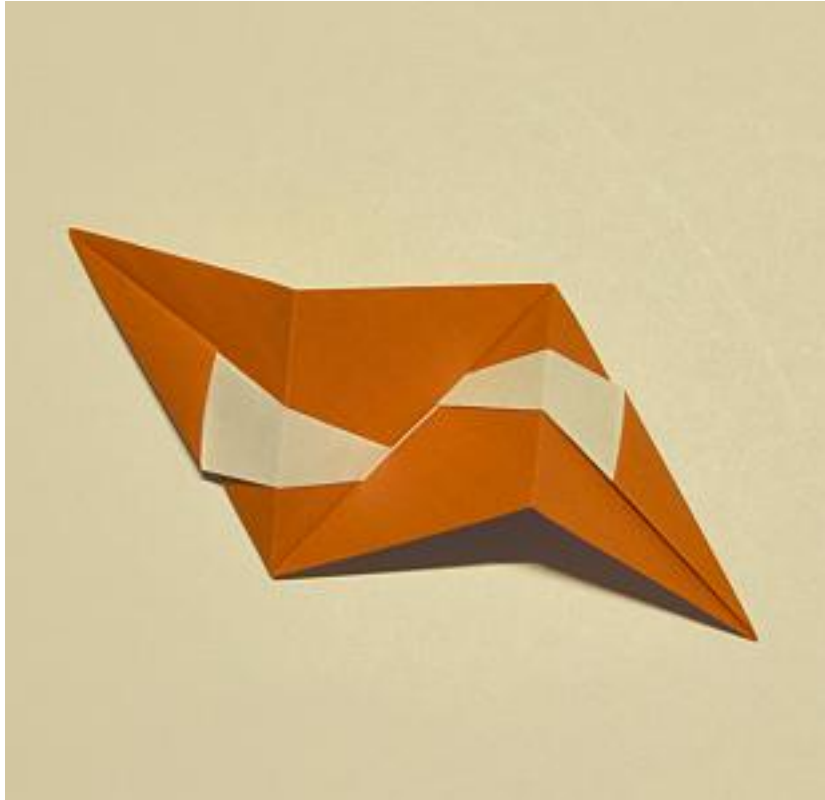
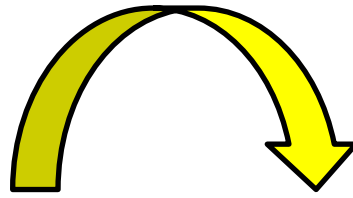
反対側も同じように差し込んで折って・・・

11



上のように折ってゆき...

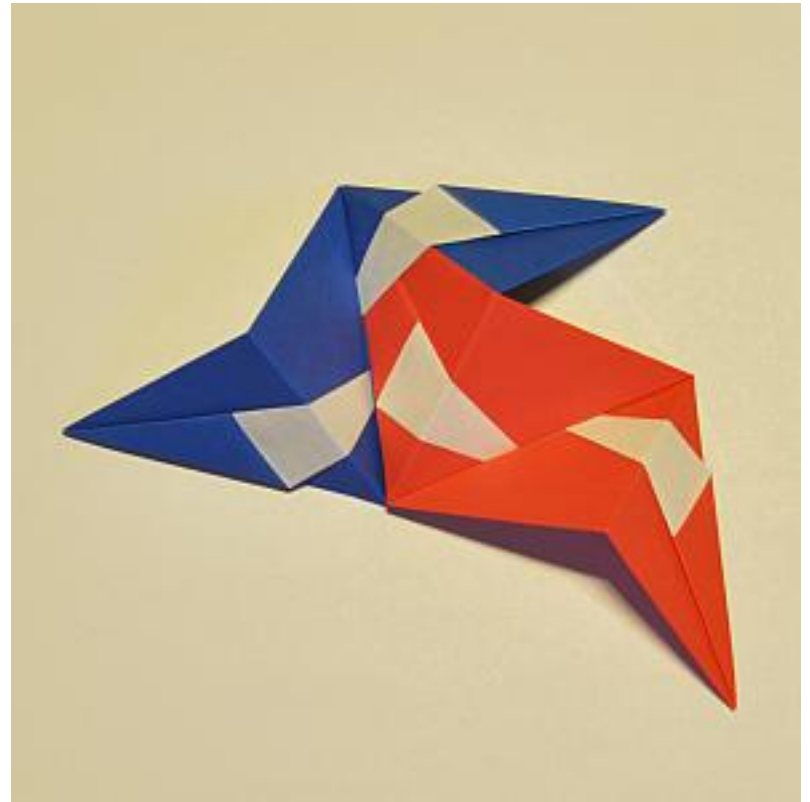
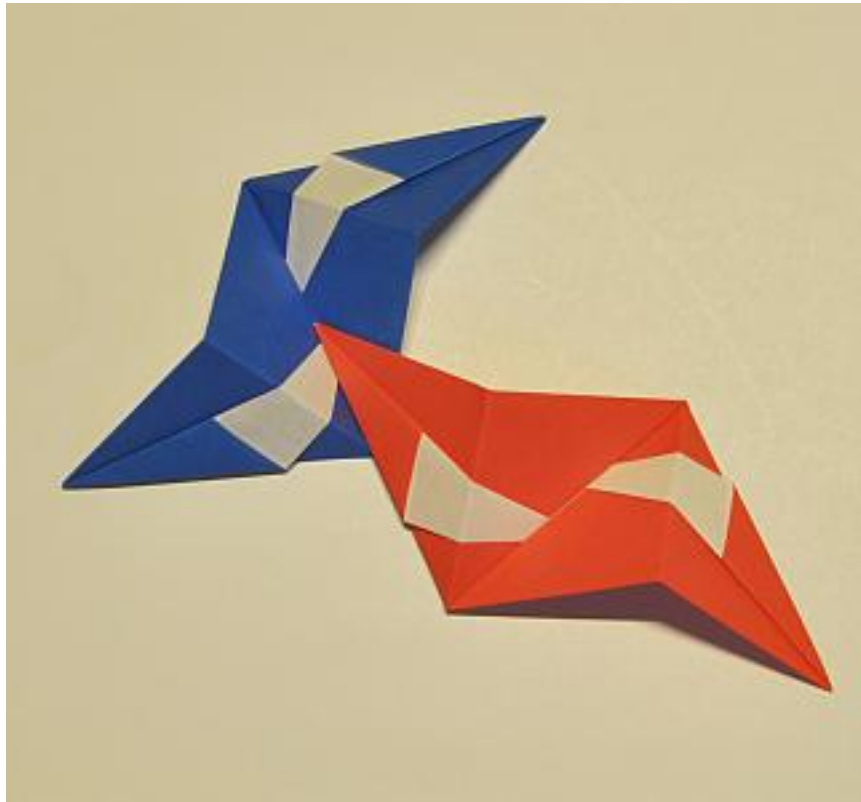
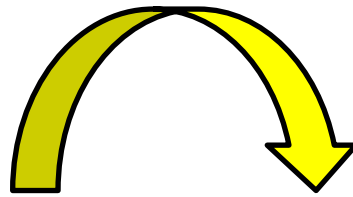
12



完成した部品を12個作る

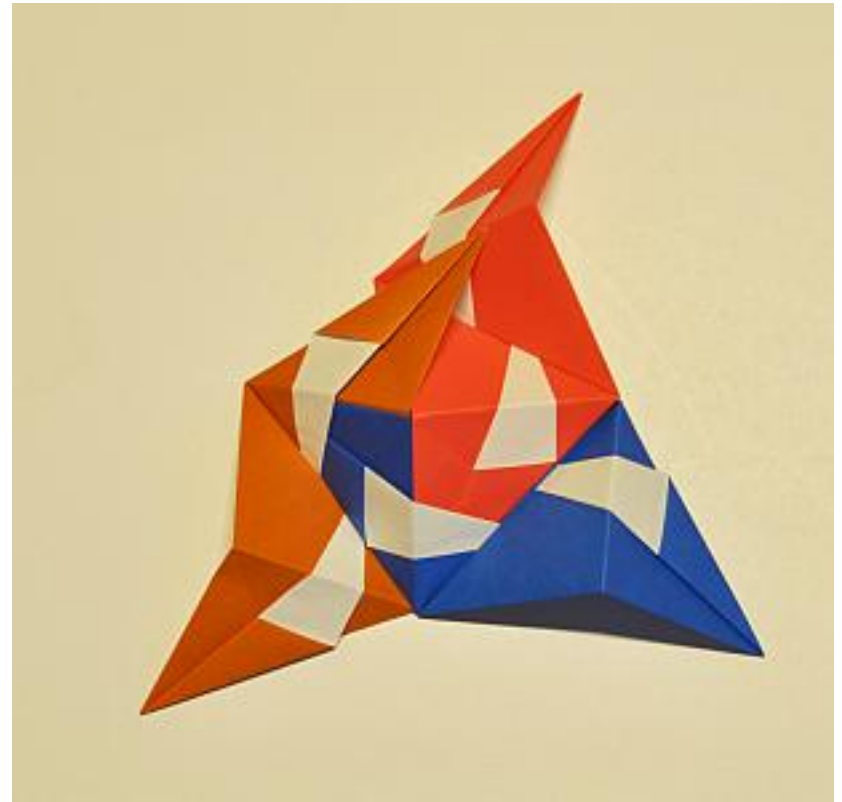
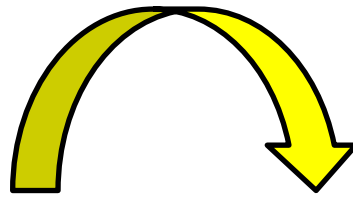
組み立てよう

①



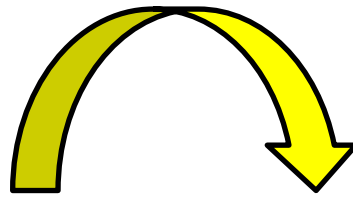
二つの部品を上のように組み合わせる

②



三つ目の部品を上のように組み合わせて・・・

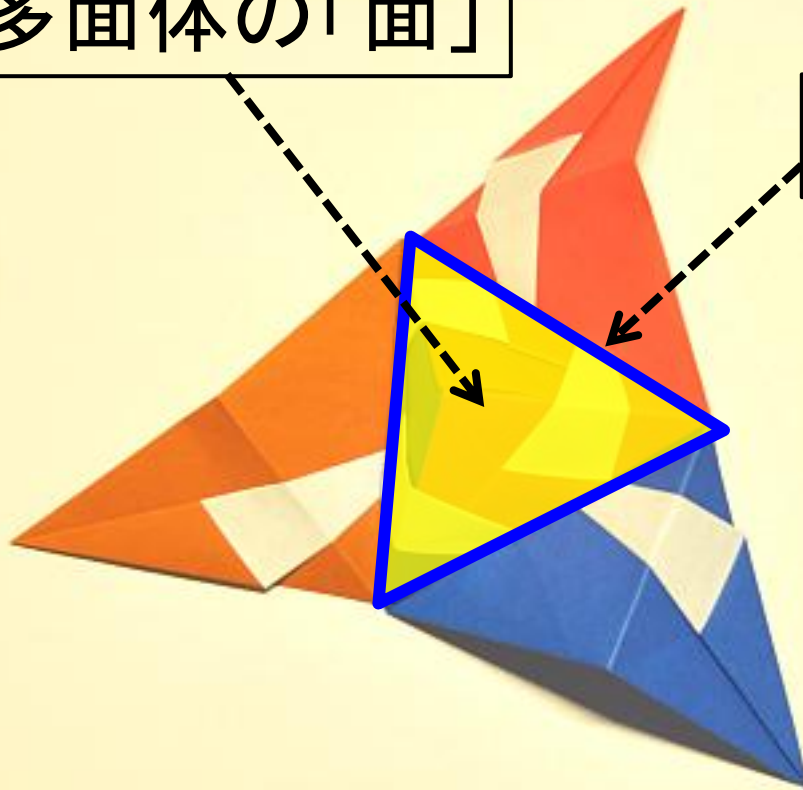
③



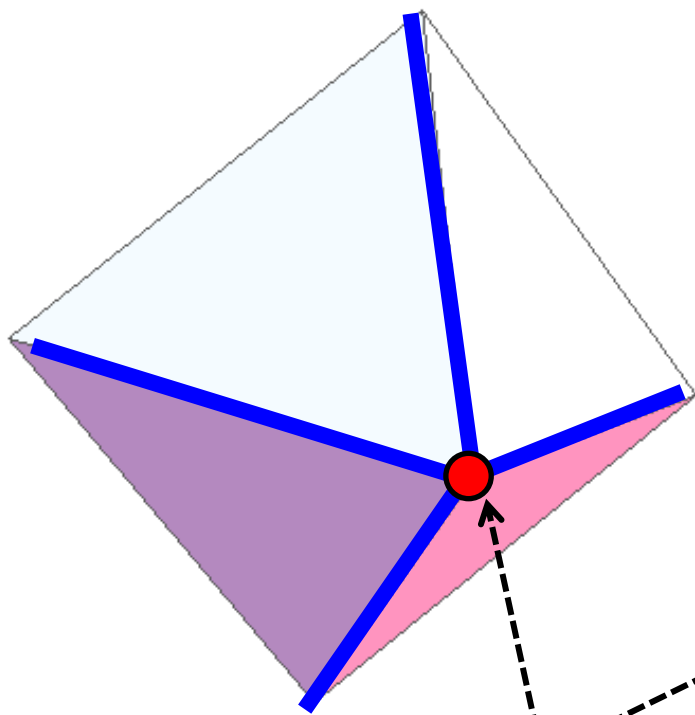
上のようになるように組み合わせる

多面体の「面」

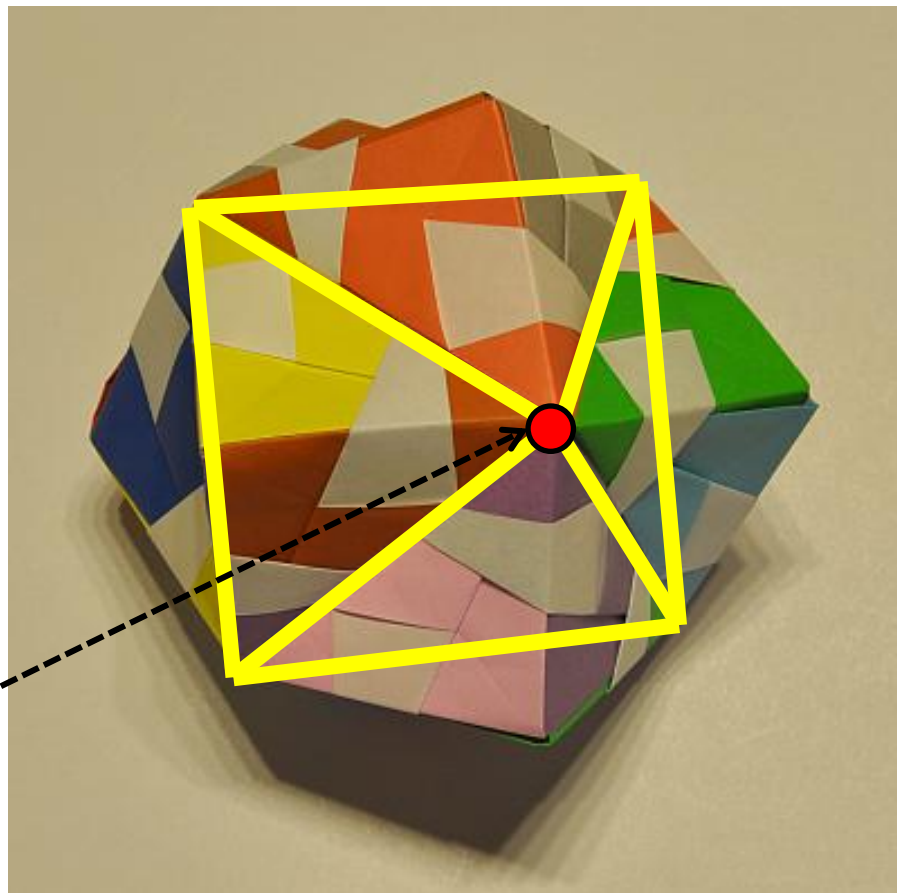
多面体の「辺」



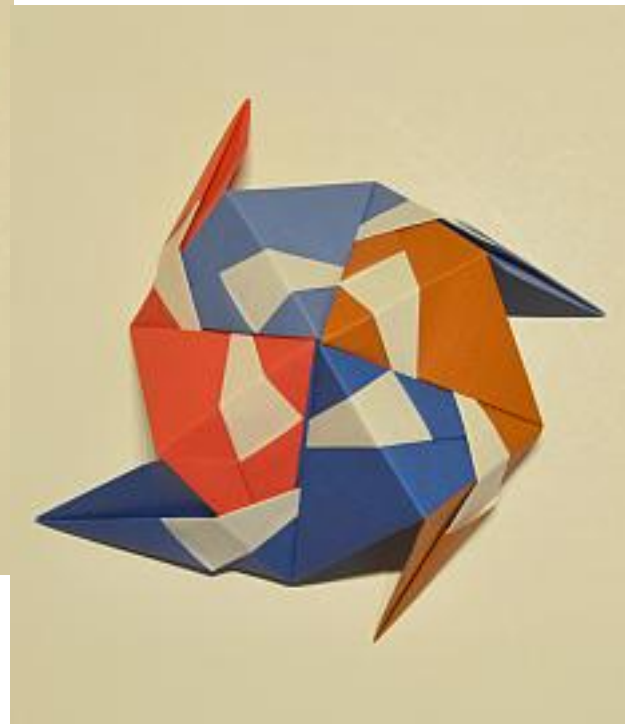
正8面体の頂点からは4本の辺が出ているので



頂点

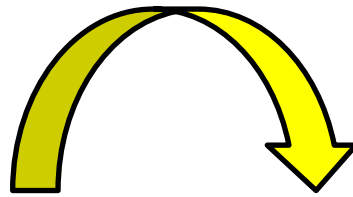


④



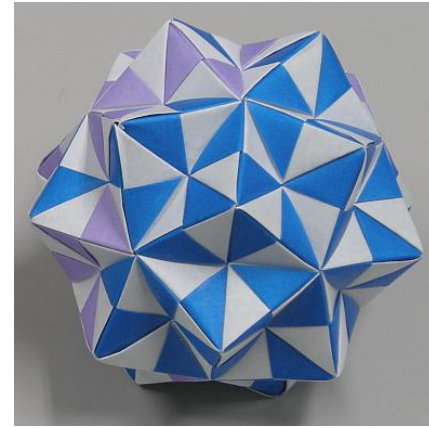
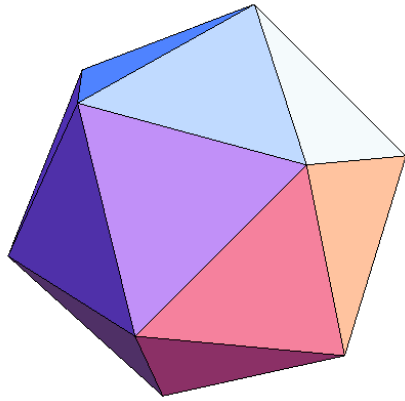
このように組み合わせてゆく

5



これを続けてゆくと完成する

辺の部品を**30**個使うと「**正20面体**」ができる。



(ユニットの折り方が少し違います)

辺の部品を**90**個使うと「**切頂20面体**」(サッカーボール)ができる。

