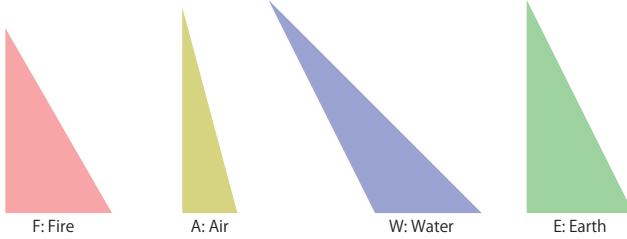


# The Four Elements Puzzle

yoshiaki.araki@tessellation.jp Aug 10, 2021



Dodecagon

Dodecagons  
of side one

Square  
large

Square  
medium

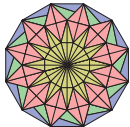
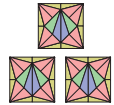
Square  
small



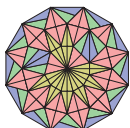
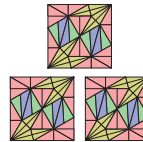
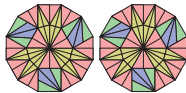
Area:  $\times 1$   
F:A:W:E=24:8:10:10



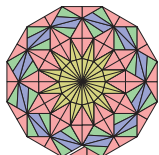
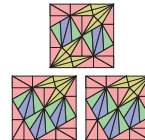
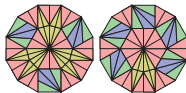
Area:  $\times 1$   
F:A:W:E=24:24:6:6



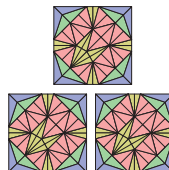
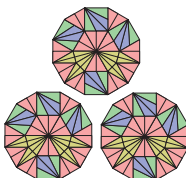
Area:  $\times 2$   
F:A:W:E=48:48:12:12



Area:  $\times 2$   
F:A:W:E=48:32:16:16



Area:  $\times 3$   
F:A:W:E=96:96:24:24



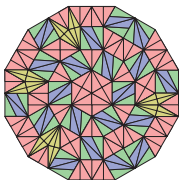
Dodecagon

Dodecagons  
of side one

Square  
large

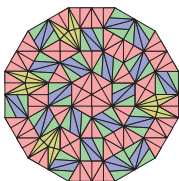
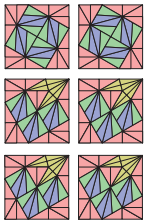
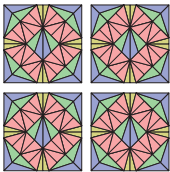
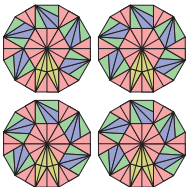
Square  
medium

Square  
small



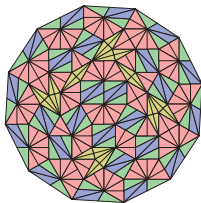
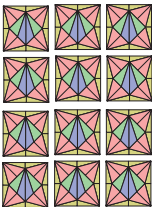
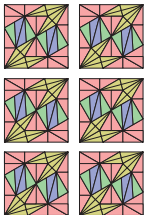
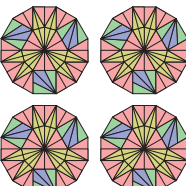
Area:  $\times 4$

F:A:W:E=96:32:20:20



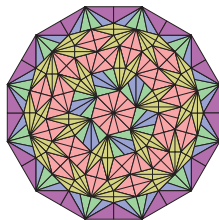
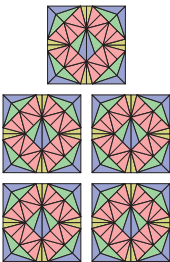
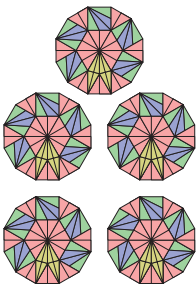
Area:  $\times 4$

F:A:W:E=96:96:24:24



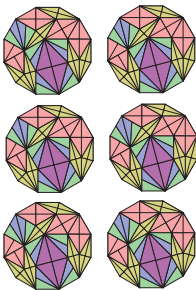
Area:  $\times 5$

F:A:W:E=48:32:16:16



Area:  $\times 6$

F:A:W:E:X=96:144:36:24



X: The 5th element