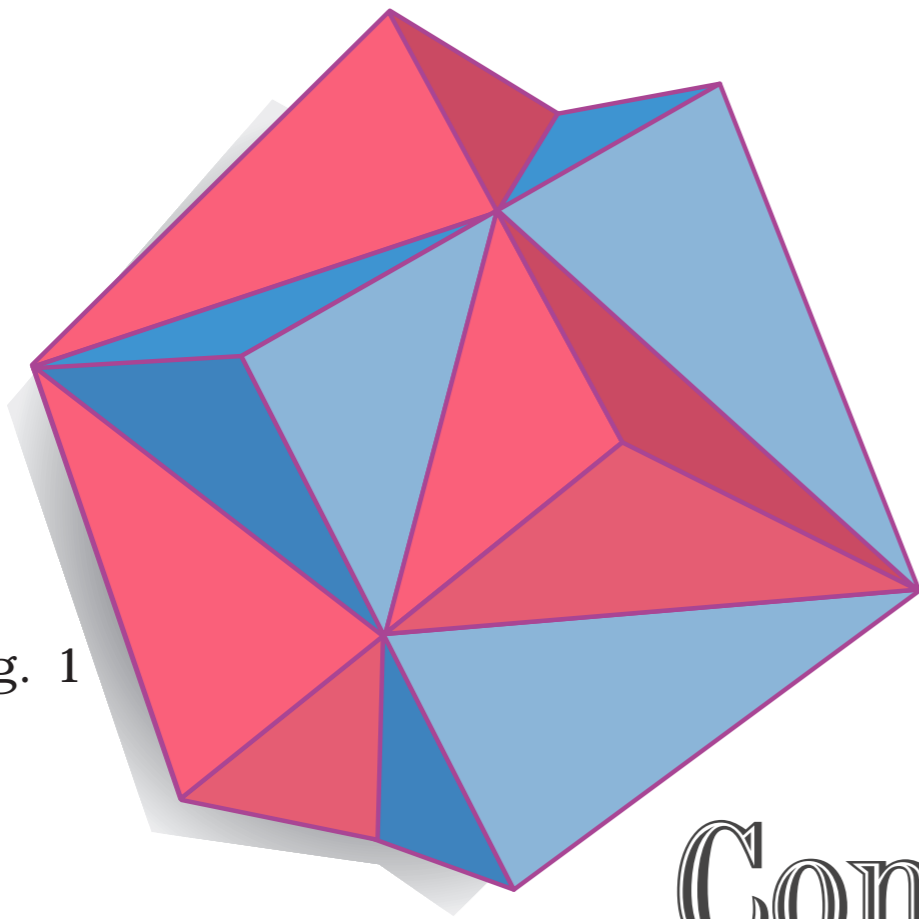


fig. 1

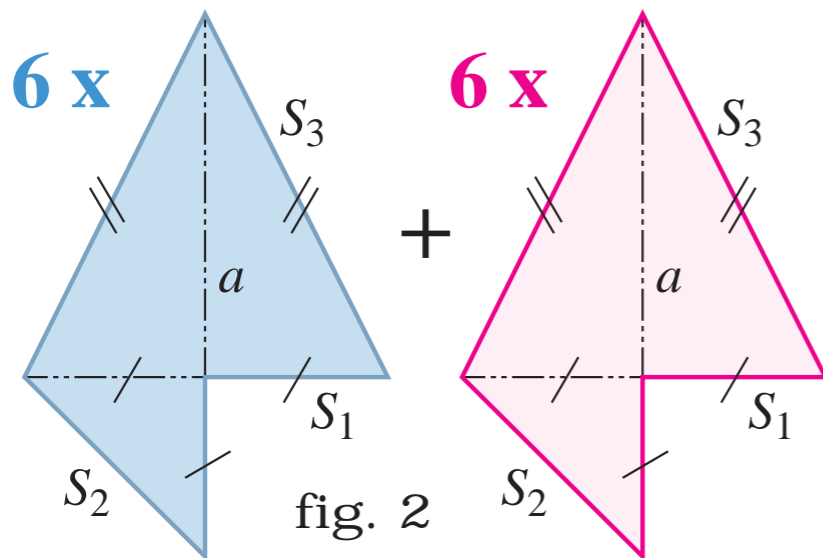
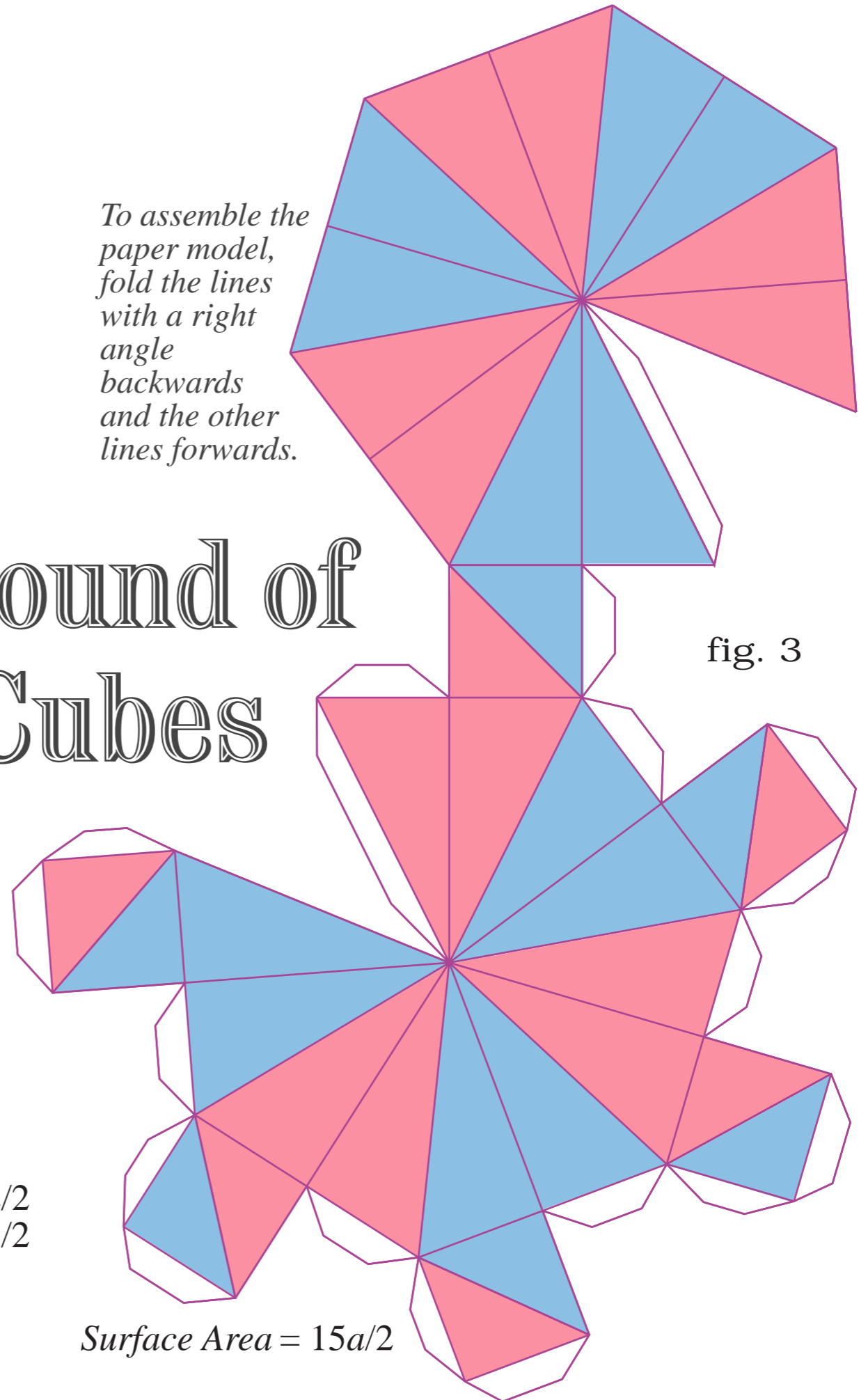


**Compound of Two Cubes:**  
 Number of faces: 12  
 Number of edges: 24  
 Number of vertices: 16

# Compound of Two Cubes

*To assemble the paper model, fold the lines with a right angle backwards and the other lines forwards.*

fig. 3



$$\begin{aligned}
 S_1 &= a/2 \\
 S_2 &= a\sqrt{2}/2 \\
 S_3 &= a\sqrt{5}/2
 \end{aligned}$$

*Surface Area = 15a/2*