

MYSTERY OBJECT

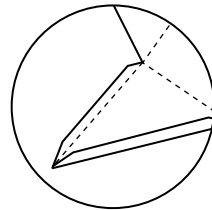
Fold the 2-D shape to make a 3-D object!



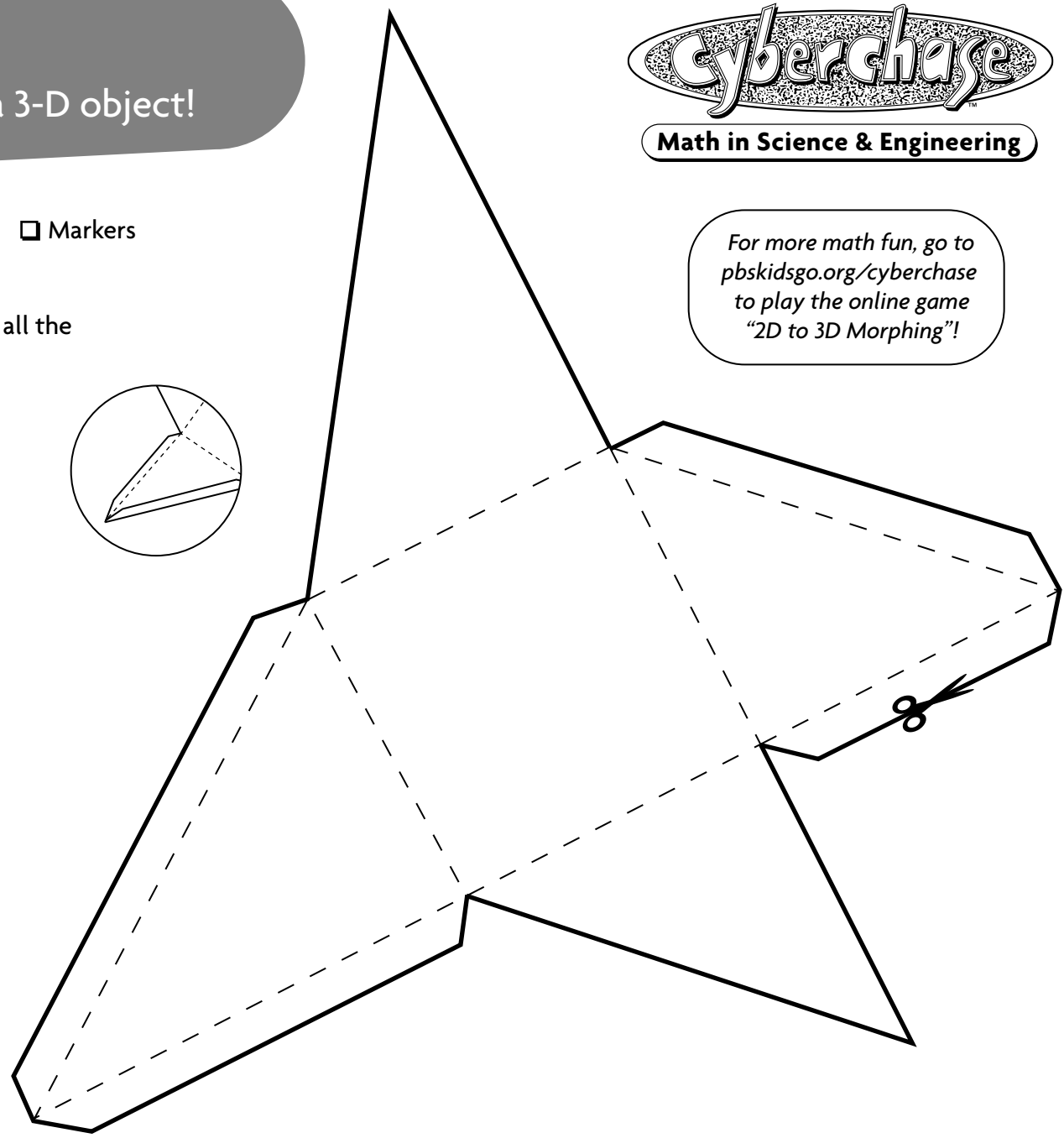
Math in Science & Engineering

MATERIALS Scissors Gluestick Markers

- 1 Cut out the 2-dimensional shape along all the solid lines.
- 2 Fold the shape along the dotted lines.
- 3 Bring the shape together so the tabs meet. On each tab, put a little glue – not too much!
- 4 Attach the tabs, and you've got your 3-dimensional object!



For more math fun, go to pbskidsgo.org/cyberchase to play the online game "2D to 3D Morphing"!



MAKING CONNECTIONS TO...

SCIENCE: Chemists draw 2-dimensional pictures of molecules to show how they string together in the 3-dimensional world. In medicine, doctors use 2-dimensional x-rays to better understand our 3-dimensional bodies.

ENGINEERING: Structural engineers use plans and blueprints that are 2-dimensional versions of 3-dimensional structures. Industrial engineers design packaging that starts out as flat shapes that can be assembled into 3-dimensional containers.