These shapes include:

Cube         Cylinder         Rectangular Prism         Hexagonal Prism         Triangular Pyramid         Square Pyramid         Cone         Triangular Prism

The following activities have been written for use with Folding Geometric Shapes.

Quick Quiz

Use the shapes and nets for this Quick Quiz.

Take any one of the shapes and look at it carefully. Identify the name of the shape and say it aloud. See if you can correctly name all of the shapes.
Shape Identification
Use the shapes and nets for this activity.

Find and match the shapes that are shown. Say the name of each shape as you find it.

Make a Match
Unfold each shape’s net. Next, put the nets back into the 3-D shape. Then, draw a line to match each net to the correct name.

Triangular Pyramid  Cube  Cylinder  Hexagonal Prism  Cone  Triangular Prism  Rectangular Prism  Square Pyramid
Matching 3-D Shapes

Find the shapes that most closely match the pictures shown below. Put each shape next to the picture that it matches.

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Matching 3-D Shapes

Find the shapes that most closely match the pictures shown below. Put each shape next to the picture that it matches.
Shape Riddle

Read each riddle below. Use the Folding Geometric Shapes to help you solve the riddles.

1. Shape Riddle
   • I have no curved faces.
   • I have a base that is shaped like a hexagon.
   • I have 12 vertices.
   
   What am I?

2. Shape Riddle
   • I have a total of 4 flat surfaces.
   • I have a triangular base.
   • I have 3 triangular faces.
   
   What am I?

3. Shape Riddle
   • I have no curved faces.
   • I have 6 flat faces.
   • I have 12 edges and all the edges are the same size.
   
   What am I?

4. Shape Riddle
   • I have 9 edges.
   • I have a total of 5 flat surfaces.
   • Two of my faces are triangles.
   
   What am I?

Shape Riddle

Read each riddle below. Use the Folding Geometric Shapes to help you solve the riddles.

1. Shape Riddle
   • I have one flat surface.
   • My base is a circular shape.
   • My curved surface makes a sharp point.
   
   What am I?

2. Shape Riddle
   • I have 2 flat surfaces and 1 curved surface.
   • I have no corners.
   • My base is circular shaped.
   
   What am I?

3. Shape Riddle
   • I have 6 flat faces.
   • I have 12 edges.
   • All of my edges are not the same size.
   
   What am I?

4. Shape Riddle
   • My base is a square.
   • I have 5 flat surfaces.
   • Four of my surfaces are triangles.
   
   What am I?
Riddle Fill-ins

Read the riddles below and fill in the missing words that complete each riddle. When you have filled in the missing words in the riddles, reread the riddles to make sure they make sense. Then, find the correct shapes that the riddles describe.

Fill in the missing words.
1. My __________________ is a square. I have _____ flat surfaces. My other 4 surfaces are triangles. I am a ____________________________.
2. I have 6 flat ____________. All my faces are the same ____________. I have 12 edges. All my edges are the same size too. I am a ____________________________.
3. I have no curved faces. I have a ________ shaped like a hexagon. I have 18 ____________. I am a ____________________________.
4. I have 9 edges. I have a total of ______ flat surfaces. Two of my surfaces are _________________ and _________ of them are rectangles. I am a ____________________________.

Write a Riddle

You will need a pencil and a piece of paper for this activity.

You be the riddle writer! Look at the nets pictured below. For each net, write a riddle. Read your riddles to a friend and see if he or she knows the correct answer.

Net of Cube Net of Triangular Pyramid Net of Cylinder Net of Rectangular Prism