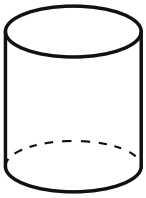
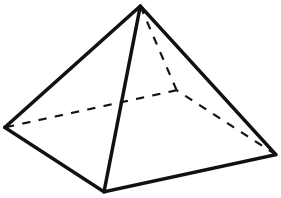
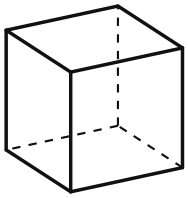
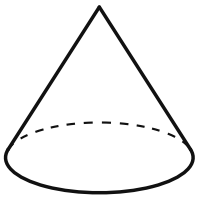
Faces, Edges, and Vertices: Name the Shape

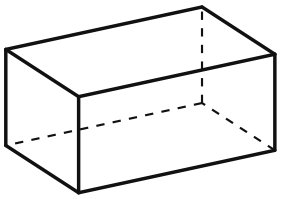
Set A. Draw a line from each shape to its name.

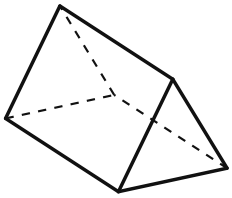


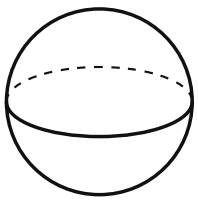








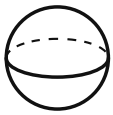


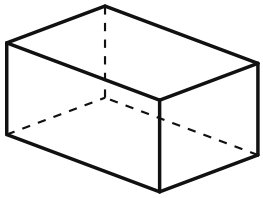


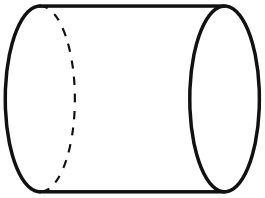
- rectangular prism
- cube
- cylinder
- square pyramid
- triangular prism
- sphere
- cone

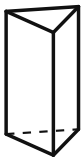
Faces, Edges, and Vertices: Name the Shape

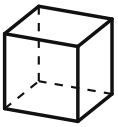
Set B. Draw a line from each shape to its name.

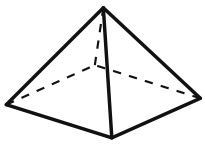


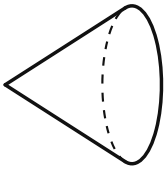








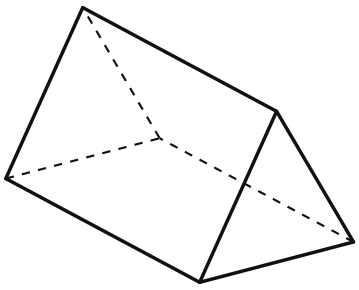




- square pyramid
- sphere
- cone
- rectangular prism
- triangular prism
- cylinder
- cube

Faces, Edges, and Vertices: Count the Parts

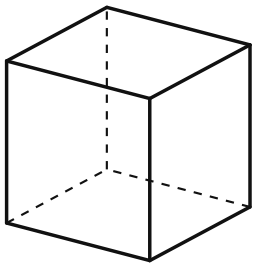
Set A. Count the faces, edges and vertices. Dashed lines are at the back.



faces

edges

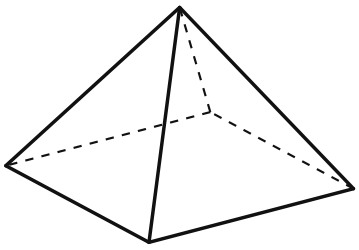
vertices



faces

edges

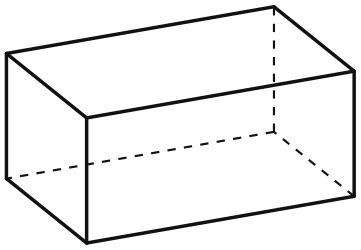
vertices



faces

edges

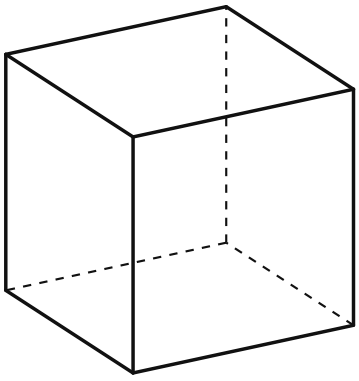
vertices



faces

edges

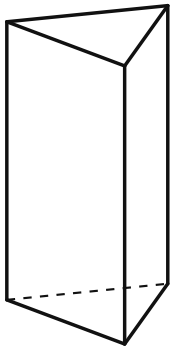
vertices



faces

edges

vertices



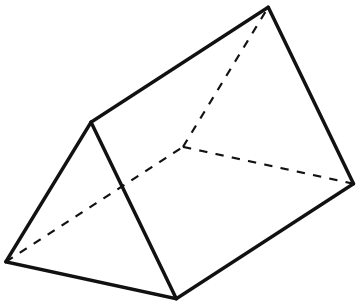
faces

edges

vertices

Faces, Edges, and Vertices: Count the Parts

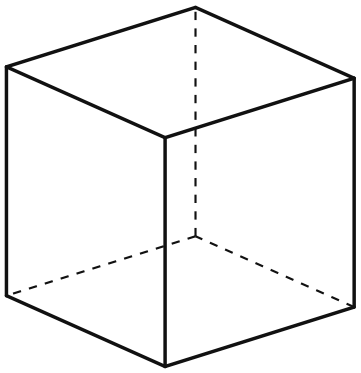
Set B. Count the faces, edges and vertices. Dashed lines are at the back.



faces

edges

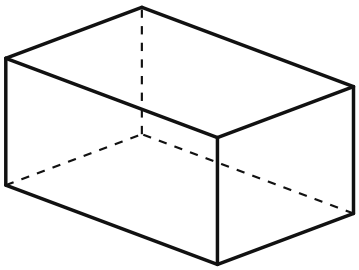
vertices



faces

edges

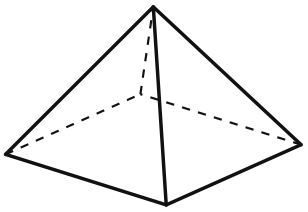
vertices



faces

edges

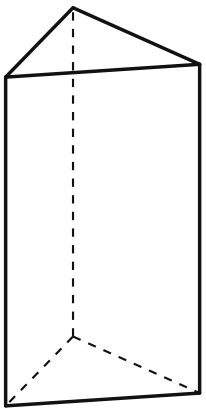
vertices



faces

edges

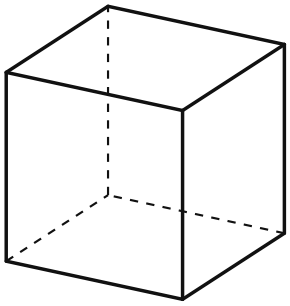
vertices



faces

edges

vertices



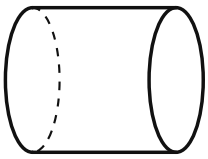
faces

edges

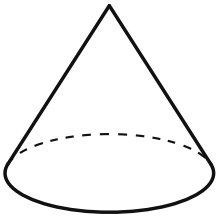
vertices

Faces, Edges, and Vertices: Find the Faces

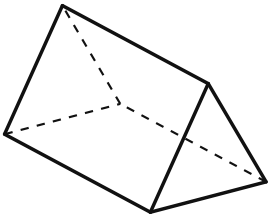
Set A. Circle every flat shape that is a face of the 3D shape.



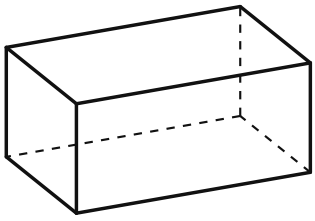
circle rectangle triangle



circle rectangle triangle



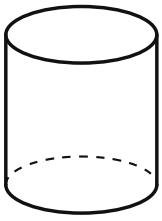
circle rectangle triangle



circle rectangle triangle



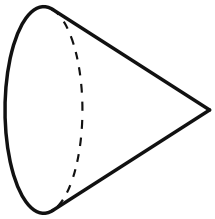
circle rectangle triangle



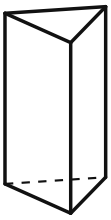
circle rectangle triangle

Faces, Edges, and Vertices: Find the Faces

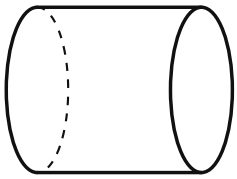
Set B. Circle every flat shape that is a face of the 3D shape.



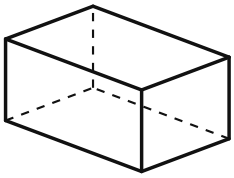
circle rectangle triangle



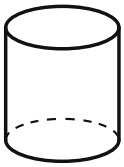
circle rectangle triangle



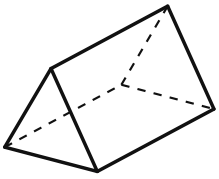
circle rectangle triangle



circle rectangle triangle



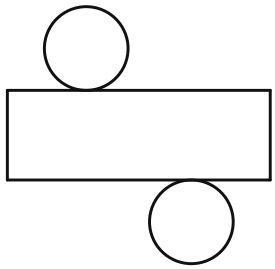
circle rectangle triangle

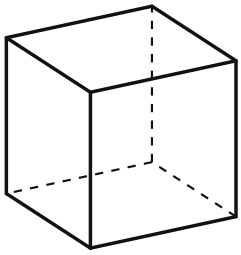


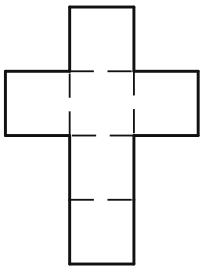
circle rectangle triangle

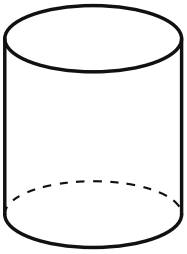
Faces, Edges, and Vertices: Match the Net

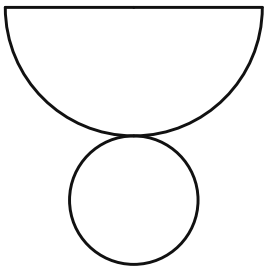
Set A. Draw a line from each net to the shape it folds into.

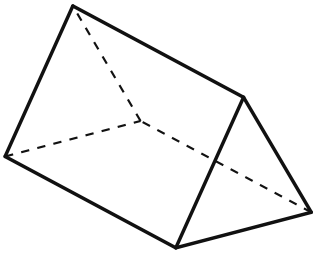


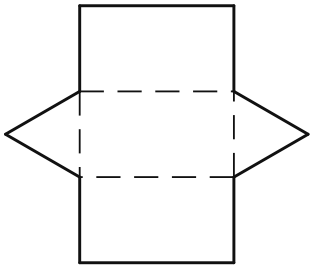


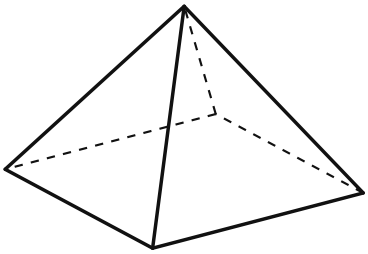


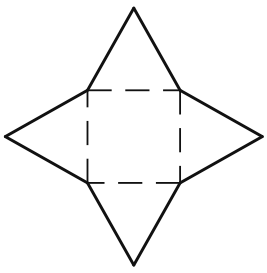


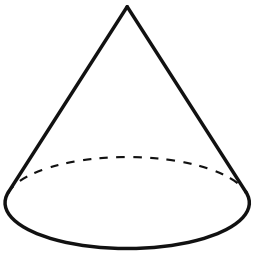






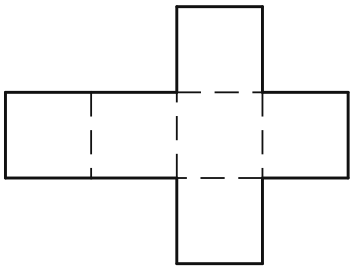


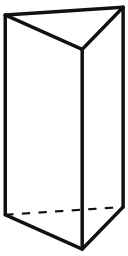


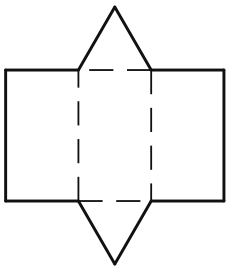


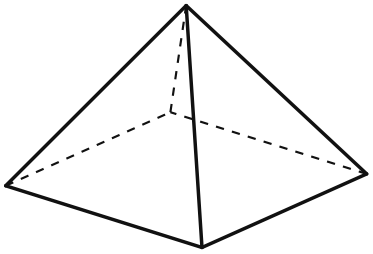
Faces, Edges, and Vertices: Match the Net

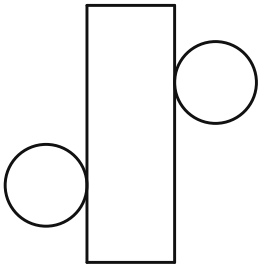
Set B. Draw a line from each net to the shape it folds into.

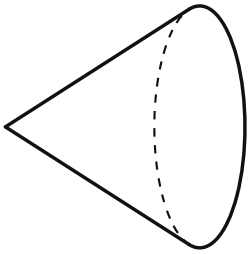


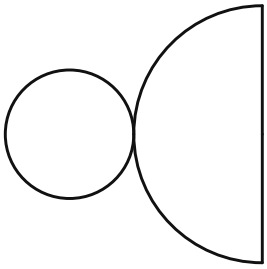


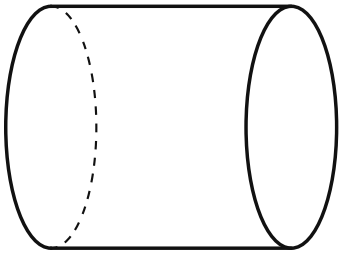


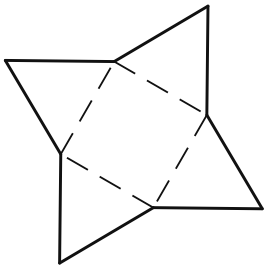


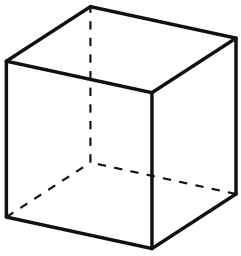








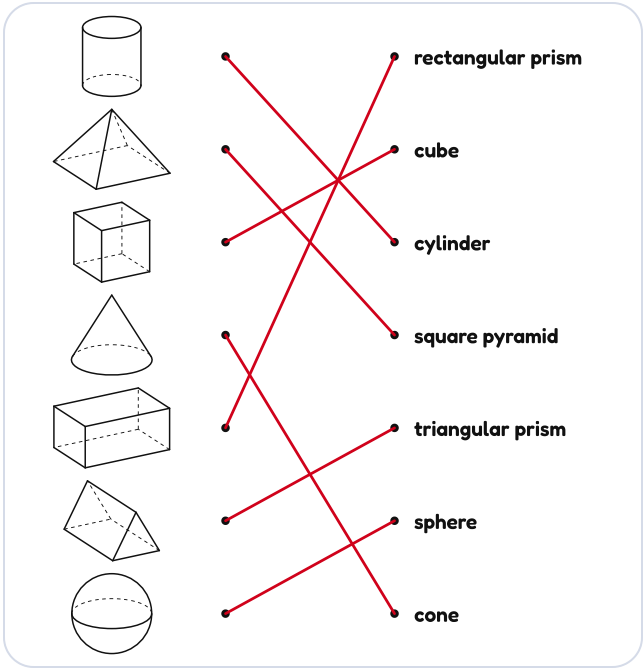




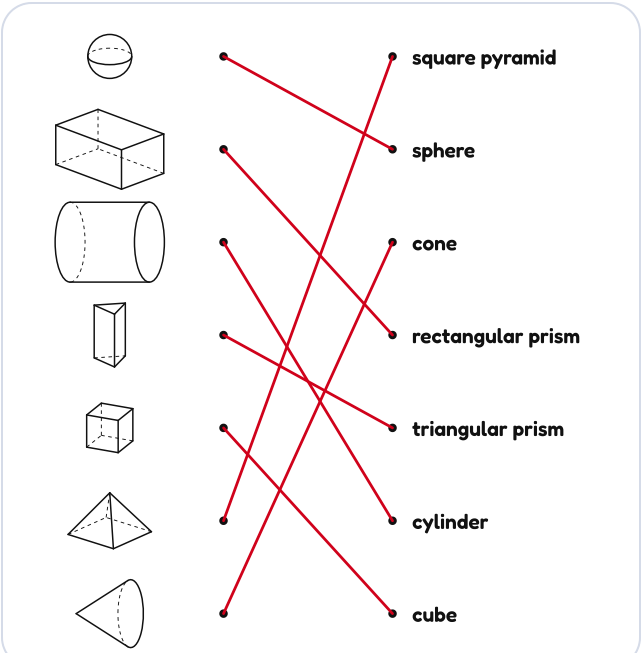
Faces, Edges, and Vertices: Answer Key, Pages 1 to 4

For the grown-up. Each shape's line to its name, and each count in its box, in red.

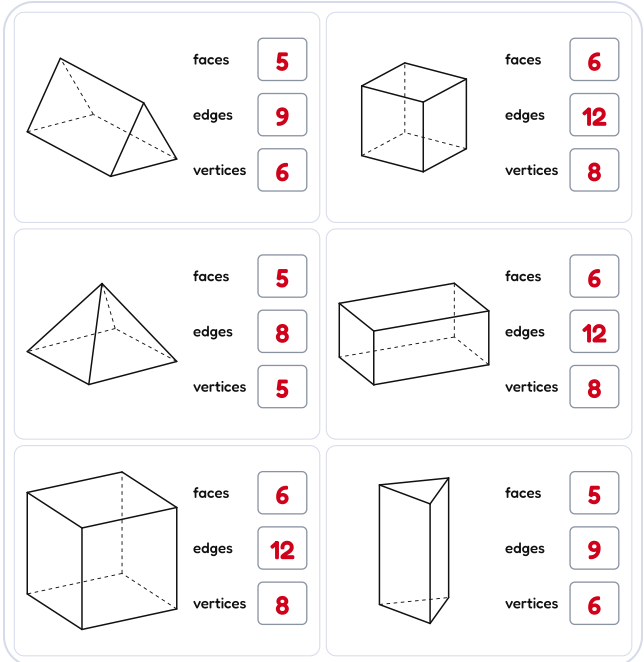
Page 1: name the shape, set A



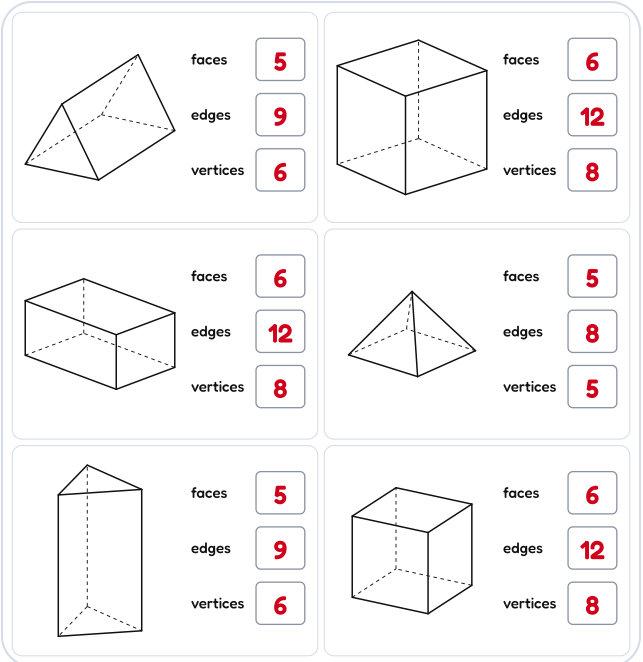
Page 2: name the shape, set B



Page 3: count the parts, set A



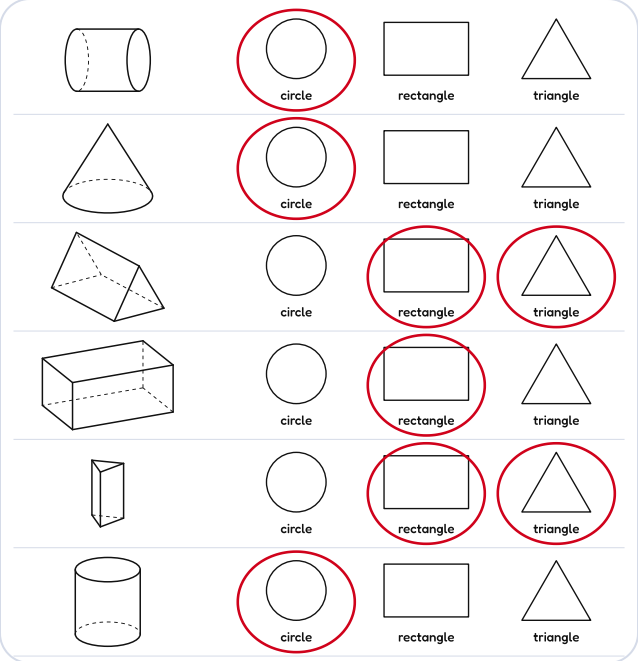
Page 4: count the parts, set B



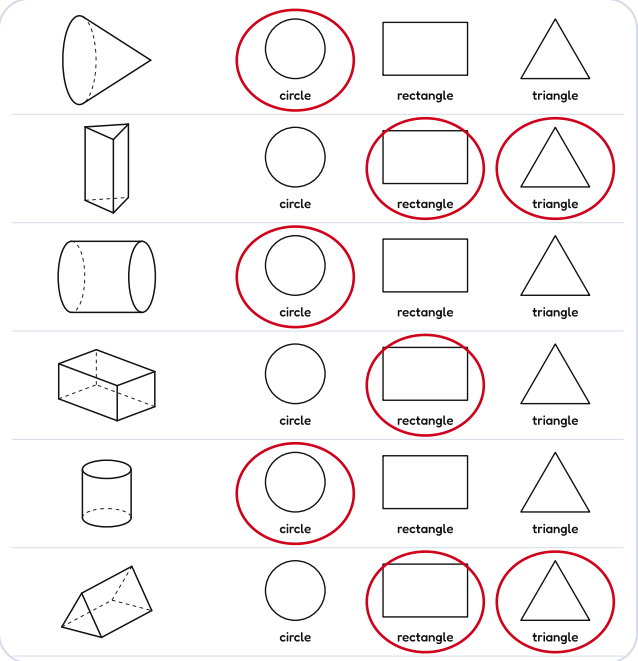
Faces, Edges, and Vertices: Answer Key, Pages 5 to 8

For the grown-up. Every face is ringed, and each net's line to its shape, in red.

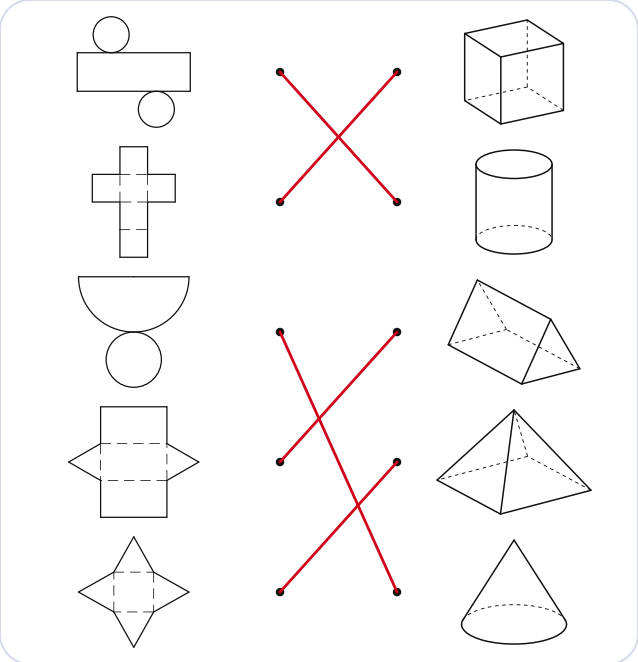
Page 5: find the faces, set A



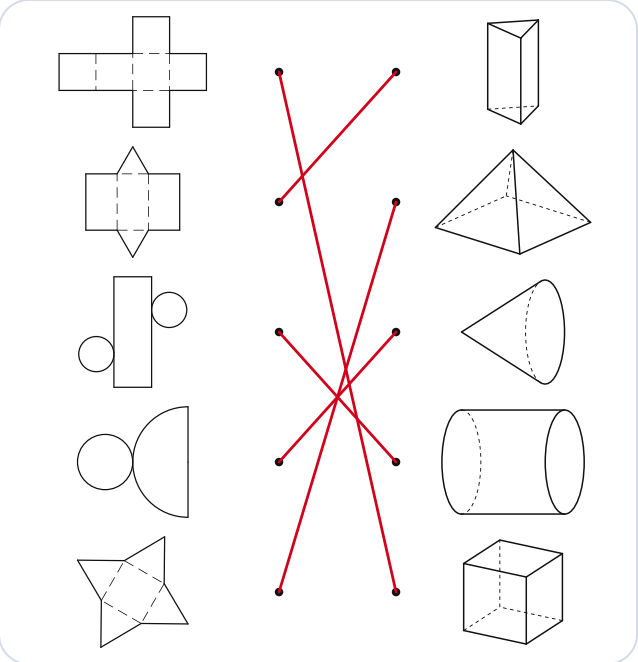
Page 6: find the faces, set B



Page 7: match the net, set A



Page 8: match the net, set B



For Grown-Ups: How to Use These Worksheets

One activity at a time. Each prints twice, the same shapes in a new order. For first and second grade, and kindergarten with a grown-up reading the names.

Why use it

Kindergartners name cubes, cones, cylinders, and spheres however they are turned or sized (Common Core K.G.A.2), tell flat shapes from solid ones (K.G.A.3), and describe their parts (K.G.B.4); Texas asks for the words vertex, edge, and face from first grade (TEKS 1.6(E), 2.8(B)). A face is a flat side, an edge is where two faces meet, and a vertex is a corner.

What it is good for

- Naming the seven solids children meet from kindergarten to second grade.
- Counting the faces, edges, and vertices of flat-faced shapes.
- Seeing a solid's faces as flat shapes, and matching a net to its shape.

How to use it

1. Count on a real box first, touching each face, edge, and corner.
2. Mark each part as you count it, so none is counted twice.
3. Dashed lines are at the back: count them too.
4. Read the names aloud for a child who is not reading yet.
5. Check with the answer key, where the answers are in red.

> **Try saying:** “Touch each corner and count. How many vertices does the cube have?”

Tip: The sheet never asks for edges or vertices on a cylinder, cone, or sphere, because schools count them differently. Use your child's class chart for those.