

**Study the following.**

solid figure – (or solid) (sol-id) - a three-dimensional figure like a ball or a car. (A can of tomato sauce is a solid figure.)

face (fayss) – a flat surface of a solid (The face of the metal box was so shiny I could see myself.)

edge (ej) – the place where two faces meet in a solid. ( I ran my hand along the edge of the wooden box.)

vertex (vur-teks) – a corner of a solid figure. ( The vertex of the cube put a dent in the table when she dropped it.)

vertices (vur-tuh-seez) – the plural of vertex. (There are 8 vertices on a cube.)

base (bayss) – the bottom or top face of some solids are called the base. You can set the object on its base. (I set the small pyramid down on its base.)

**Say each word out loud and write it in the blank.**

solid \_\_\_\_\_

face \_\_\_\_\_

edge \_\_\_\_\_

vertex \_\_\_\_\_

vertices \_\_\_\_\_

base \_\_\_\_\_

**Write each definition in your own words.**

solid figure

solid

face

edge

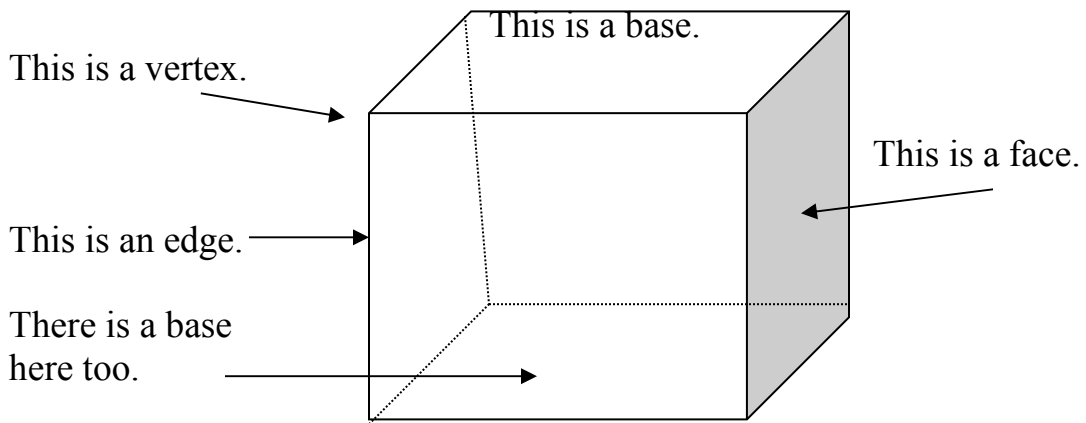
vertex

vertices

base

**Study the following.**

This is a solid called a cube.



**Write two sentences using each word.**

solid figure

1.

2.

face

1.

2.

edge

1.

2.

vertex

1.

2.

vertices

1.

2.

base

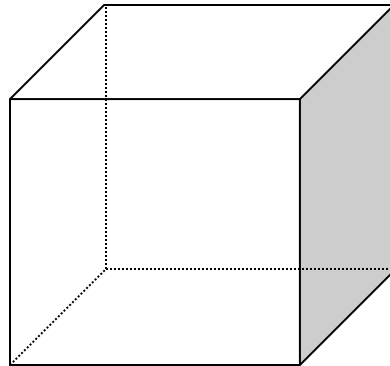
1.

2.

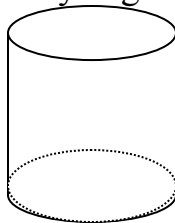
**Matching.**

solid figure	a flat surface of a solid
solid	the place where two faces meet in a solid
face	a corner of a solid figure
edge	the plural of vertex
vertex	a three-dimensional figure
vertices	the bottom and/or top face of solids
base	the same as solid figure

**Fill in the blanks.**



1. How many vertices does the cube have? \_\_\_\_\_
2. How many faces does the cube have? \_\_\_\_\_
3. How many edges does the cube have? \_\_\_\_\_



4. How many bases does the above cylinder have? \_\_\_\_\_

**Study the following.**

cube (**kyoob**) - a solid figure with 6 faces shaped like squares. ( Dice are cubes.)

cylinder (**sil-uhn-dur**) – a solid figure shaped like a tube with circles at the ends. ( A soup can is a cylinder.)

cone (**kohn**) – a solid figure with a circle at one end and pointed at the other. (Some ice cream cones are shaped like cones.)

sphere (**sfih**r) – a solid figure shaped like a ball. (The earth is shaped like a sphere.)

pyramid (**pihr-uh-mid**) – a solid figure with a pointed top and flat sides. (The pyramids in Egypt are shaped like pyramids.)

prism (**priz-uhm**) – a solid figure with a flat top and flat base, and flat sides. (A shoe box is a prism.)

**Say each word out loud and write it in the blank.**

cube \_\_\_\_\_

cylinder \_\_\_\_\_

cone \_\_\_\_\_

sphere \_\_\_\_\_

pyramid \_\_\_\_\_

prism \_\_\_\_\_

**Write each definition in your own words.**

cube

cylinder

cone

sphere

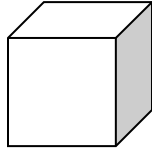
pyramid

prism

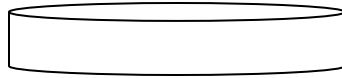
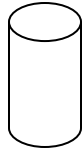
**Study the following.**

These are examples of solid figures.

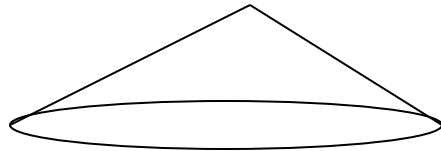
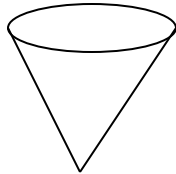
cube



cylinder



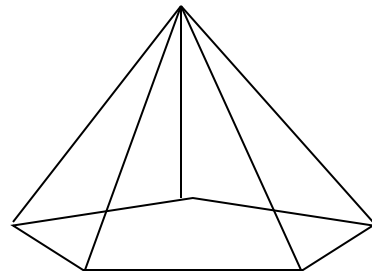
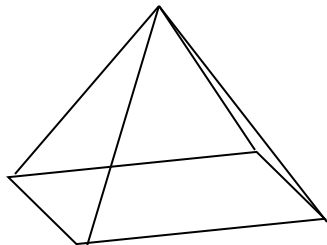
cone



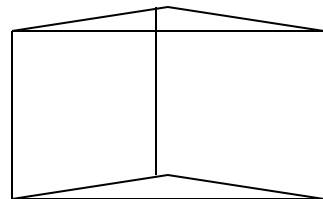
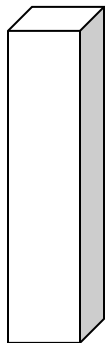
sphere



pyramid



prism



**Write two sentences using each word.**

cube

1.

2.

cylinder

1.

2.

cone

1.

2.

sphere

1.

2.

pyramid

1.

2.

prism

1.

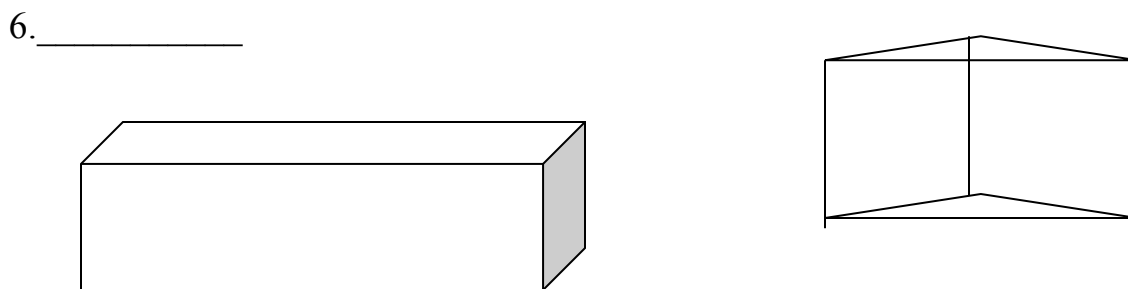
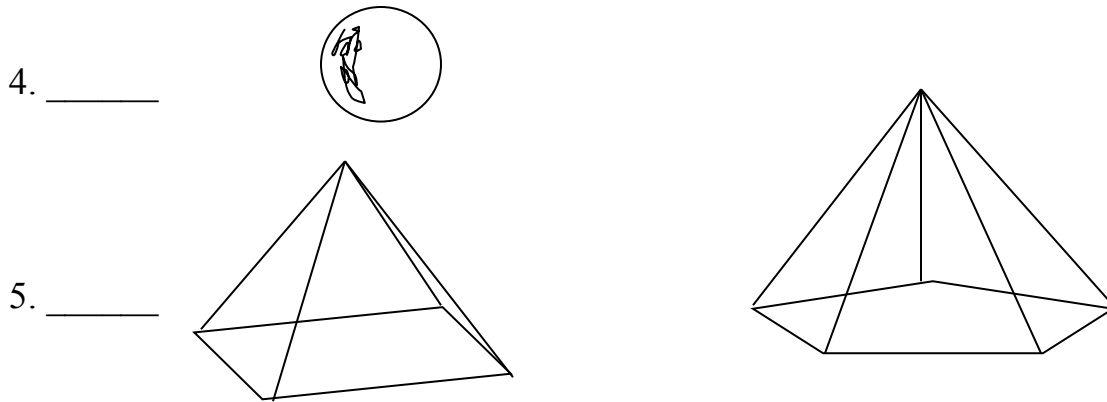
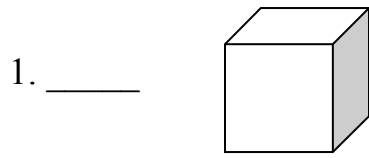
2.

**Matching.**

cube	a solid figure shaped like a tube with circles at the ends
cylinder	a solid figure with a circle at one end and pointed at the other
cone	a solid figure with a flat top and flat base, and flat sides
sphere	a solid figure with 6 faces shaped like squares
pyramid	a solid figure with a pointed top and flat sides
prism	a solid figure shaped like a ball



**Label each of the following.**



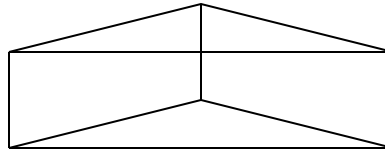
**Study the following.**

Naming prisms and pyramids.

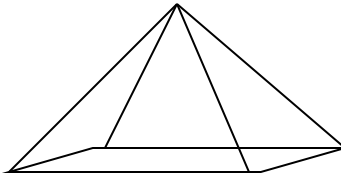
When you name a prism or pyramid you first name the shape of the base, and then the second word will be prism or pyramid.

Example:

A triangular prism

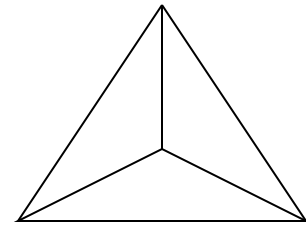
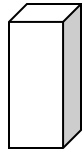


A square pyramid

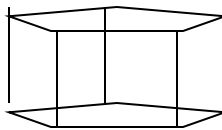


**Name these solids.**

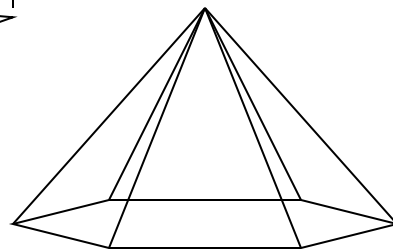
1. \_\_\_\_\_



2. \_\_\_\_\_



3. \_\_\_\_\_



4. \_\_\_\_\_

5. \_\_\_\_\_

