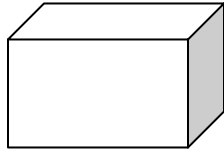


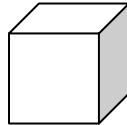
Three Dimensional Figures

Three dimensional figures have a **length**, a **height**, and a **width**. Here are some examples of three dimensional figures.

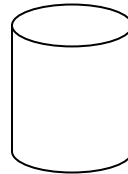
Rectangular solid
(prism)



Cube



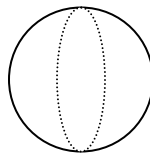
Cylinder



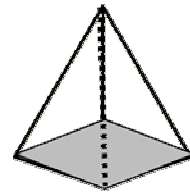
Cone



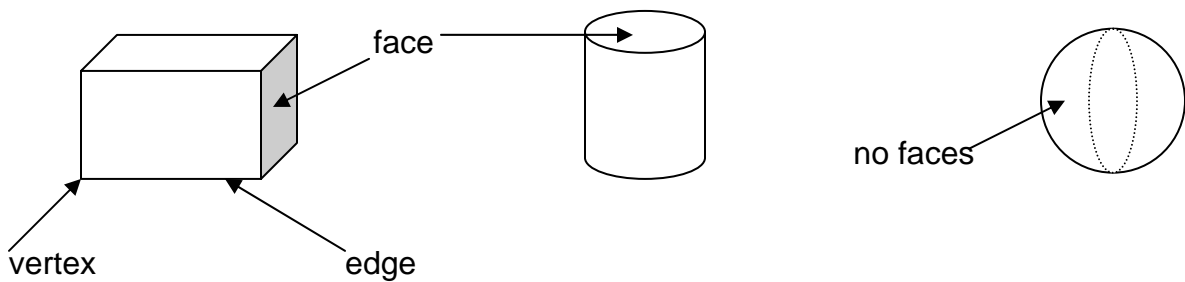
Sphere



Pyramid



Flat surfaces are called **faces**.
The faces meet at an **edge**.
The edges meet at a corner, called a **vertex**

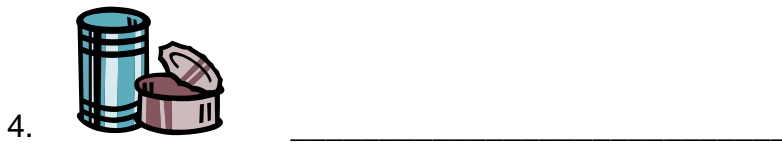


Three Dimensional Figures

Name _____ Date _____

Look at the items below. Label the figures correctly.

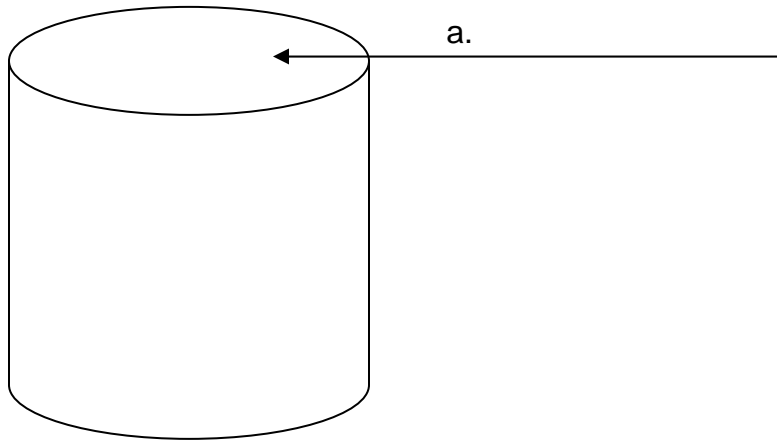
cone	rectangular solid	cube	cylinder	pyramid	sphere
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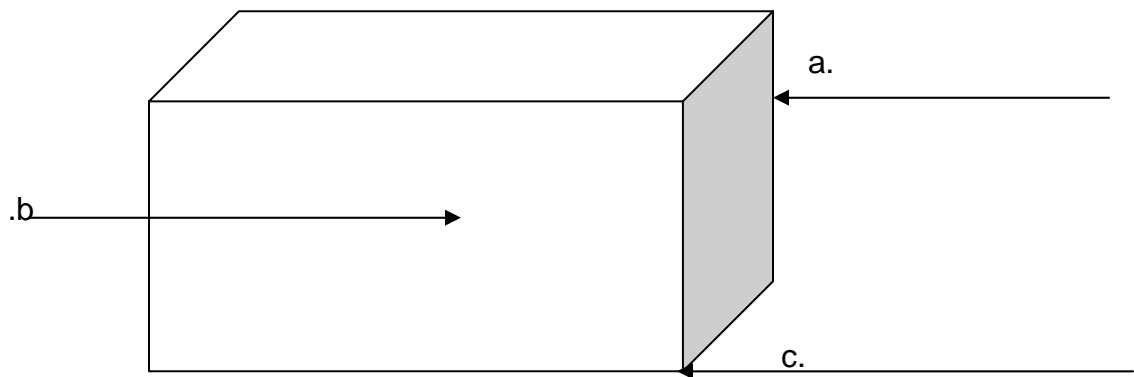
Name _____ Date _____

Identify the parts of the figures below.

1.



2.

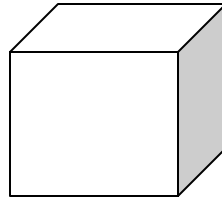


Explain what is alike and what is different about these two objects.

Name _____ Date _____

Let's Count!

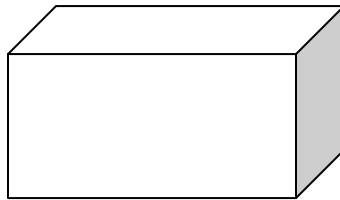
Look at the cube. Count the faces.



How many faces does the cube have? _____

How did you get your answer?

Look at this rectangular prism (solid).



How many vertices does the rectangular prism have? _____

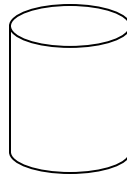
How did you get your answer?

Name _____ Date _____

Answer the questions

1. What is this figure called?

- a. cone
- b. rectangular prism
- c. cylinder
- d. cube

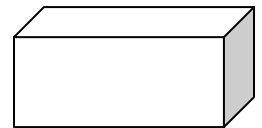


2. What shape are the faces on a cube?

- a. circle
- b. square
- c. hexagon
- d. pentagon

3. What is the total number of faces on this rectangular prism (solid)?

- a. 3
- b. 4
- c. 6
- d. 8



4. How many vertices does a cube have?

- a. 2
- b. 4
- c. 6
- d. 8

5. Which of these figures has no faces?

- a. cube
- b. sphere
- c. cone
- d. pyramid

6. Which of these items is a cylinder?

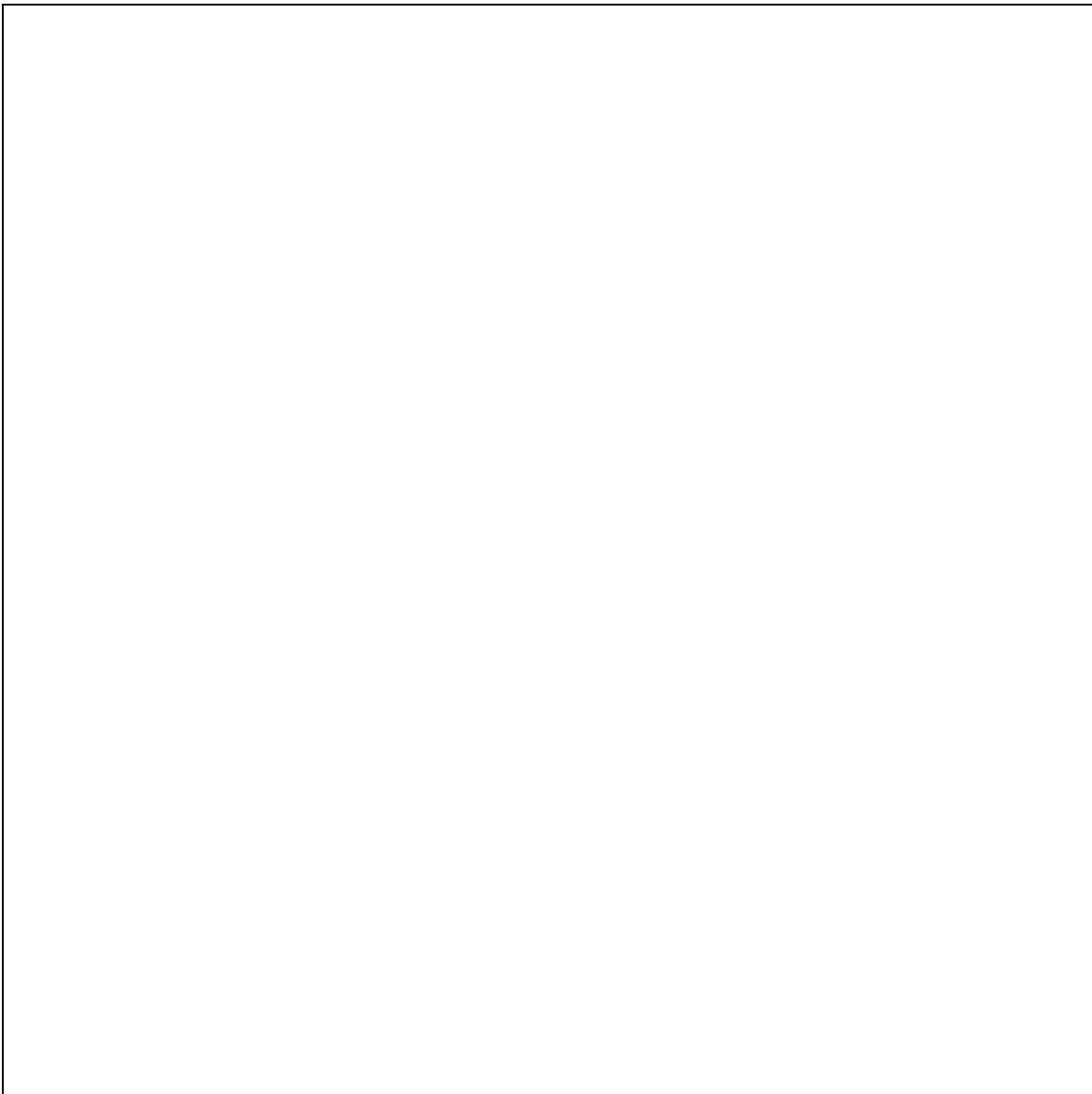
- a. basketball
- b. gift box
- c. can of beans
- d. ice cream cone

Three Dimensional Figures

Name _____ Date _____

Draw a picture using three-dimensional figures. Put the correct letter on each figure in your pictures.

- A. cone
- B. sphere
- C. cube
- D. rectangular prism (solid)
- E. cylinder
- F. pyramid



Name _____ Date _____

ANSWERS

1. cone
2. rectangular solid
3. sphere
4. cylinders
5. cubes
6. pyramid

1. a. face
2. a. face
b. edge
c. vertex

Answers about similarities and differences may vary. Accept any reasonable answers, including: They both have faces; they are both three dimensional figures. The cube has edges and vertices. The cylinder has rounded sides. The cube has more faces (six, while the cylinder has two).

1. The cube has 6 faces. *Accept any reasonable answers about how this was determined, including: I imagined the parts I couldn't see (only three faces are visible); I looked at a real cube; I remembered it from class...*
2. The rectangular prism has 8 vertices. *Accept any reasonable answers about how this was determined, including: I imagined the parts I couldn't see (only seven vertices are visible); I looked at a real rectangular prism; I remembered it from class...*

1. a. cylinder
2. b. square
3. c. 6
4. d. 8
5. b. sphere
6. c. can of beans