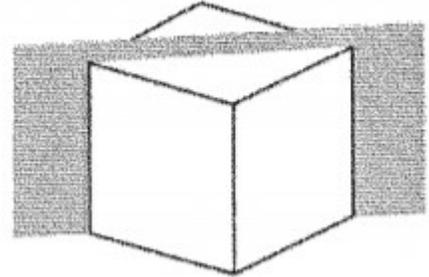


# Slicing 3D Figures

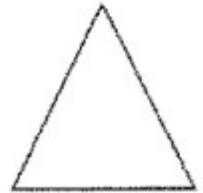
NAME \_\_\_\_\_

1. Name and sketch the 2-dimensional shape formed by the slice made by the plane through the cube shown below?



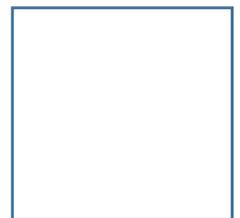
2. The cross section of a figure that was sliced **parallel to its base** is pictured below. Which could be the original figure?

- a. rectangular prism
- b. triangular prism
- c. cylinder
- d. square pyramid



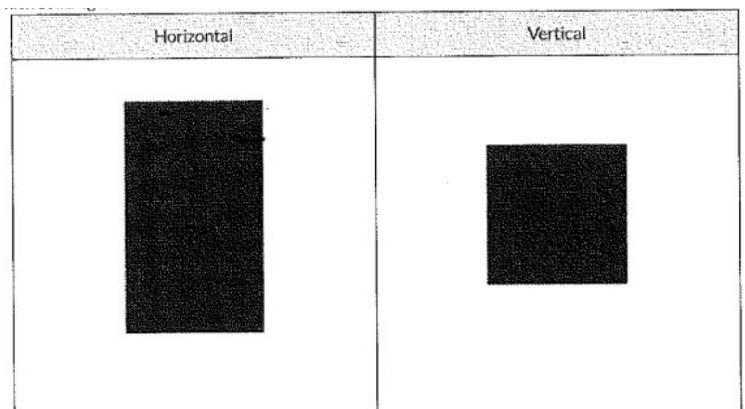
3. The cross section of a figure that was sliced **parallel to its base** is pictured below. Which of the following could be the original figure?

- a. rectangular prism
- b. triangular prism
- c. cylinder
- d. square pyramid



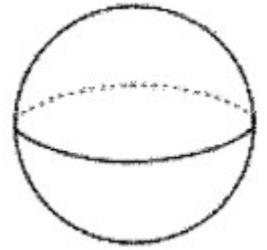
4. Which figure has the horizontal and vertical cross sections below...

- a. right rectangular prism
- b. cylinder
- c. cone
- d. square pyramid



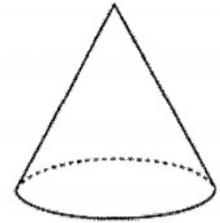
5. Select the figure that can be formed by a slice through the sphere.

- a. triangle
- b. circle
- c. square
- d. oval



6. Select all of the figures that can be formed by a vertical slice perpendicular to the base of the cone.

- a. acute triangle
- b. oval
- c. circle
- d. right triangle

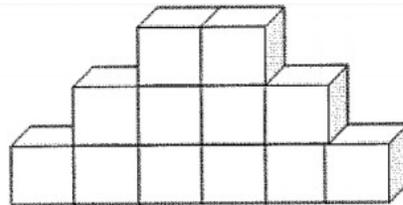


7. Select all of the figures that can be formed by a vertical slice perpendicular to the bases of the cylinder.

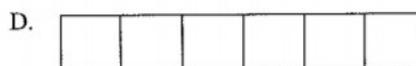
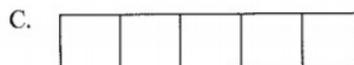
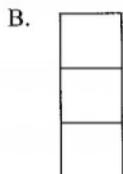
- a. circle
- b. rectangle
- c. line segment
- d. oval



8. Jeremy was playing with his blocks and stacked them as pictured below...



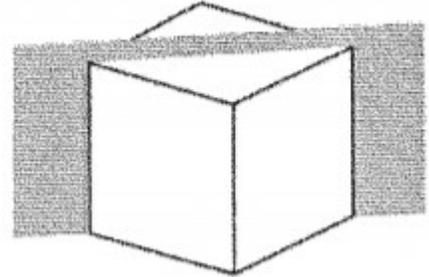
Which image best shows the top view?



# Slicing 3D Figures

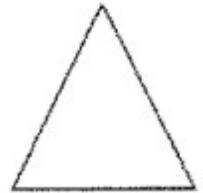
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1. Name and sketch the 2-dimensional shape formed by the slice made by the plane through the cube shown below?



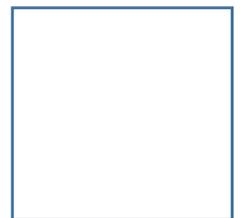
2. The cross section of a figure that was sliced **parallel to its base** is pictured below. Which could be the original figure?

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- b. triangular prism
- c. cylinder
- d. square pyramid



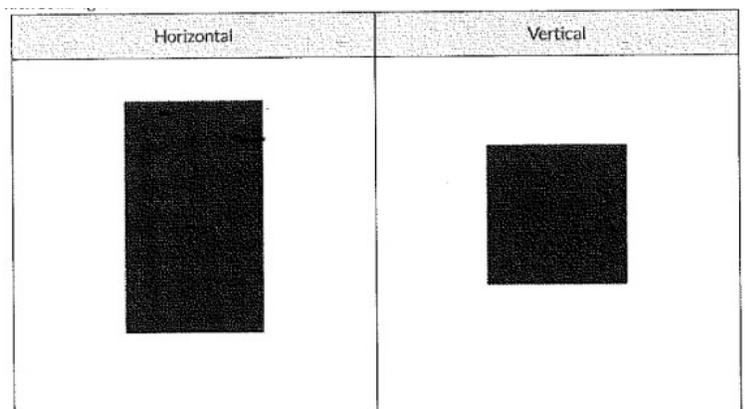
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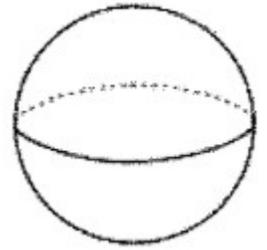
4. Which figure has the horizontal and vertical cross sections below...

- a. right rectangular prism
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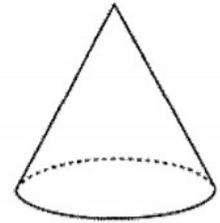
5. Select the figure that can be formed by a slice through the sphere.

- a. triangle
- b. circle
- c. square
- d. oval



6. Select all of the figures that can be formed by a vertical slice perpendicular to the base of the cone.

- a. acute triangle
- b. oval
- c. circle
- d. right triangle

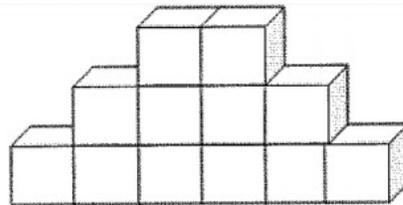


7. Select all of the figures that can be formed by a vertical slice perpendicular to the bases of the cylinder.

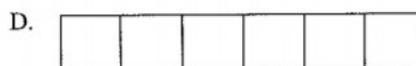
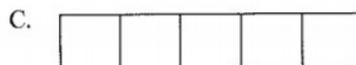
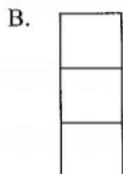
- a. circle
- b. rectangle
- c. line segment
- d. oval



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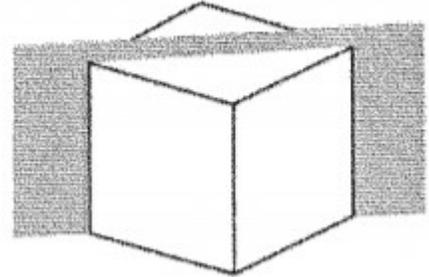
Which image best shows the top view?



# Slicing 3D Figures

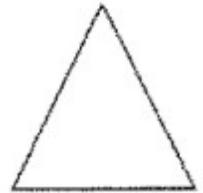
NAME \_\_\_\_\_

1. Name and sketch the 2-dimensional shape formed by the slice made by the plane through the cube shown below?



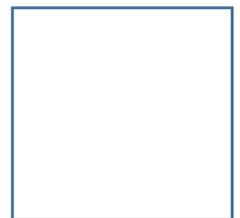
2. The cross section of a figure that was sliced **parallel to its base** is pictured below. Which could be the original figure?

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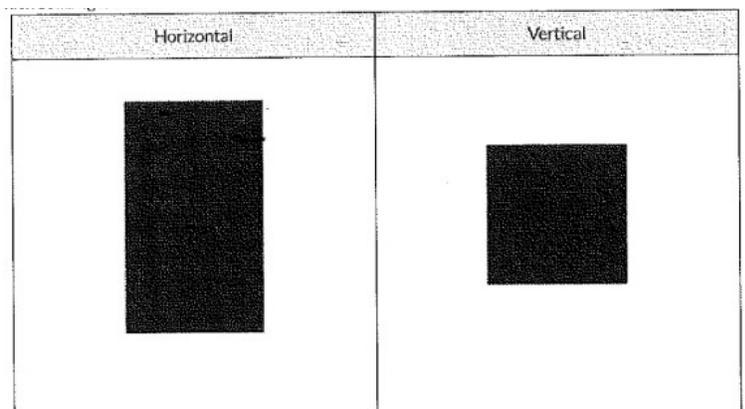
3. The cross section of a figure that was sliced **parallel to its base** is pictured below. Which of the following could be the original figure?

- a. rectangular prism
- b. triangular prism
- c. cylinder
- d. square pyramid



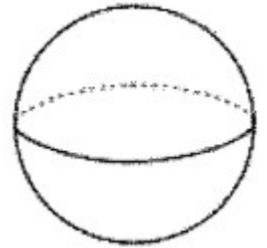
4. Which figure has the horizontal and vertical cross sections below...

- a. right rectangular prism
- b. cylinder
- c. cone
- d. square pyramid



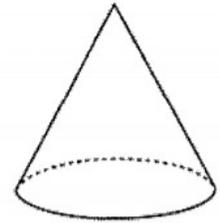
5. Select the figure that can be formed by a slice through the sphere.

- a. triangle
- b. circle
- c. square
- d. oval



6. Select all of the figures that can be formed by a vertical slice perpendicular to the base of the cone.

- a. acute triangle
- b. oval
- c. circle
- d. right triangle

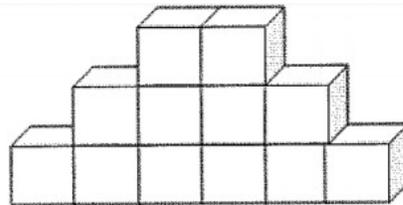


7. Select all of the figures that can be formed by a vertical slice perpendicular to the bases of the cylinder.

- a. circle
- b. rectangle
- c. line segment
- d. oval



8. Jeremy was playing with his blocks and stacked them as pictured below...



Which image best shows the top view?

