

## Perspective Sketching

## Perspective Drawings

A perspective drawing offers the most realistic three-dimensional view of all the pictorial methods, because it portrays the object in a manner that is most similar to how the human eye perceives the visual world.


## Perspective Drawings



## One-Point Perspective

The one-point perspective is relatively simple to make, but is somewhat awkward in appearance when compared to other types of pictorials.

- A horizontal line represents the horizon.
- One vanishing point is identified on the horizon line.

- A series of lines are drawn from distinctive points on the object to the vanishing point, outlining the object being constructed.


## One-Point Perspective

The following slides show the steps in creating a one-point perspective of the puzzle piece shown below.

Two different methods will be demonstrated.


## One-Point Perspective

## METHOD 1-The Box Method

1. Sketch a horizontal line across the upper portion of the paper to represent the horizon, and identify a vanishing point.

The vanishing point can be placed anywhere along the horizon line.

## One-Point Perspective

## Horizon Line

2. Sketch the front face of a box representing the overall size of the object.

The front face is constructed with vertical height lines and horizontal width lines.

## One-Point Perspective

## Horizon Line

3. Sketch construction lines from the corners of the front face of the box back to the vanishing point.

4. Sketch the visible back edges of the box to represent the overall size of the object.

Note that you will have to estimate the depth of the object.

## One-Point Perspective

Horizon Line
5. Locate points and construction lines to identify corners and edges of the object on the surface of the box.

## One-Point Perspective

## Horizon Line

6. Use object lines to trace over the edges of the object on the visible surface of the box.

## One-Point Perspective

## Horizon Line

7. Continue to use construction lines to delineate the remaining corners and edges of the object inside the box.

## One-Point Perspective

## Horizon Line

8. Trace over the construction lines with object lines to define the object.
define the object.

## One-Point Perspective

## METHOD 2

1. Sketch a horizontal line across the upper portion of the paper to represent the horizon, and identify a vanishing point.

The vanishing point can be placed anywhere along the horizon line.

## One-Point Perspective

2. Sketch the front most face of the object such that the height lines are vertical and the width lines are horizontal.

## One-Point Perspective <br> Horizon Line

3. Project the corners of the front face back to the vanishing point using construction lines.

## One-Point Perspective <br> Horizon Line

3. Project the corners of the front face back to the vanishing point using construction lines.

## One-Point Perspective Horizon Line

3. Project the corners of the front face back to the vanishing point using construction lines.

## One-Point Perspective Horizon Line

4. Sketch vertical object lines to represent the height edges of the object as necessary.

## One-Point Perspective

5. Sketch horizontal object lines to represent the width edges of the object as necessary.

## One-Point Perspective

6. Trace over the receding object lines to represent the depth edges of the object as necessary.

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## One-Point Perspective <br> Horizon Line

7. Continue to sketch height and width object lines as vertical and horizontal lines as necessary to define parts of the object.

## One-Point Perspective <br> Horizon Line

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## One-Point Perspective <br> Horizon Line

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## One-Point Perspective Horizon Line

8. Continue to use construction lines to project object corners back to the vanishing point as necessary.

## One-Point Perspective <br> Horizon Line

## V.P.

8. Continue to use construction lines to project object corners back to the vanishing point as necessary.

## One-Point Perspective <br> Horizon Line

## One-Point Perspective <br> Horizon Line

## One-Point Perspective <br> Horizon Line

## V.P.

## 9. Continue to sketch object lines along the construction lines to represent the depth edges as necessary.

## One-Point Perspective <br> Horizon Line

## V.P.

## 9. Continue to sketch object lines along the construction lines to represent the depth edges as necessary.

## One-Point Perspective <br> Horizon Line

## V.P.

## 9. Continue to sketch object lines along the construction lines to represent the depth edges as necessary.

## One-Point Perspective <br> Horizon Line

## One-Point Perspective <br> Horizon Line

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One-Point Perspective
Horizon Line

## One-Point Perspective <br> Horizon Line

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## One-Point Perspective <br> Horizon Line

## One-Point Perspective

10. You may use tonal shading to enhance the appearance of the perspective sketch and create a more realistic representation.

## One-Point Perspective Example



## Two-Point Perspective

The two-point perspective is the most common perspective drawing.

- A step-by-step procedure will be explained for the perspective.


## Two-Point Perspective

The following slides show the steps in creating a two-point perspective of the puzzle piece shown below.

## Two-Point Perspective



1. Sketch a horizontal line across the upper portion of the paper to represent the horizon, and identify two vanishing points.

The vanishing points should can be placed toward each end of the horizon line.

## Two-Point Perspective



## Two-Point Perspective



## Two-Point Perspective



## Two-Point Perspective


5. Sketch points and vertical construction lines to represent the overall width and depth of the object.

You will need to estimate the location of these to make the box proportional.

## Two-Point Perspective



## Two-Point Perspective



## Two-Point Perspective



## Two-Point Perspective



## Two-Point Perspective



## Two-Point Perspective



## Two-Point Perspective



## Two-Point Perspective



## Two-Point Perspective


11. You may use tonal shading to enhance the appearance of the perspective sketch and create a more realistic representation.

## Two-Point Perspective Example



## Two-Point Perspective Example



Image courtesy the Smithsonian Institute:
http://www.sil.si/exhibitions/doodles
Two-point perspective used in a presentation drawing for a Singer sewing machine handle.

## Three-Point Perspective

The three-point perspective gives the viewer either a worm's-eye, or bird'seye view of an object.


## Three-Point Perspective



## Perspective versus Isometric

Perspective


