

Microsoft®
Office 2010
1 2 3 4 5 6 7 on Demand

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Perspection, Inc.

Microsoft® Office 2010 On Demand

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Introduction

Welcome to *Microsoft Office 2010 On Demand*, a visual quick reference book that shows you how to work efficiently with Microsoft Office. This book provides complete coverage of basic to advanced Office skills.

How This Book Works

You don't have to read this book in any particular order. We've designed the book so that you can jump in, get the information you need, and jump out. However, the book does follow a logical progression from simple tasks to more complex ones. Each task is presented on no more than two facing pages, which lets you focus on a single task without having to turn the page. To find the information that you need, just look up the task in the table of contents or index, and turn to the page listed. Read the task introduction, follow the step-by-step instructions in the left column along with screen illustrations in the right column, and you're done.

What's New

If you're searching for what's new in Office 2010, just look for the icon: **New!**. The new icon appears in the table of contents and throughout this book so you can quickly and easily identify a new or improved feature in Office 2010. A complete description of each new feature appears in the New Features guide in the back of this book.

Keyboard Shortcuts

Most menu commands have a keyboard equivalent, such as Ctrl+P, as a quicker alternative to using the mouse. A complete list of keyboard shortcuts is available on the Web at www.perspection.com.



How You'll Learn

How This Book Works

What's New

Keyboard Shortcuts

Step-by-Step Instructions

Real World Examples

Workshops

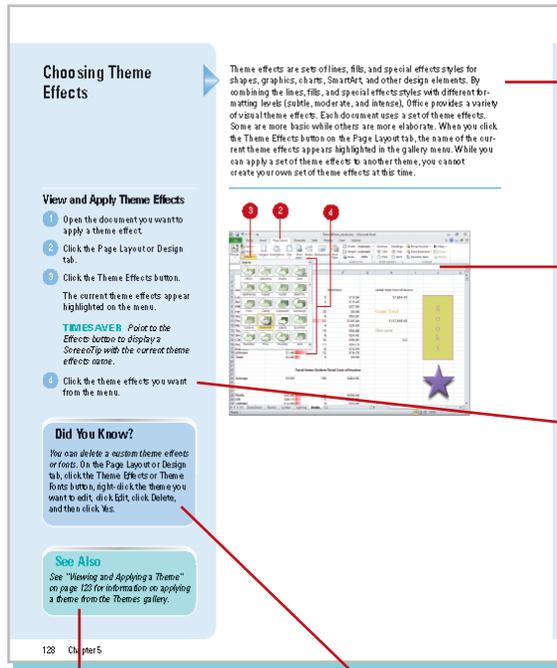
Microsoft Certified Applications Specialist

Get More on the Web



Step-by-Step Instructions

This book provides concise step-by-step instructions that show you “how” to accomplish a task. Each set of instructions includes illustrations that directly correspond to the easy-to-read steps. Also included in the text are time-savers, tables, and sidebars to help you work more efficiently or to teach you more in-depth information. A “Did You Know?” provides tips and techniques to help you work smarter, while a “See Also” leads you to other parts of the book containing related information about the task.



Easy-to-follow introductions focus on a single concept.

Illustrations match the numbered steps.

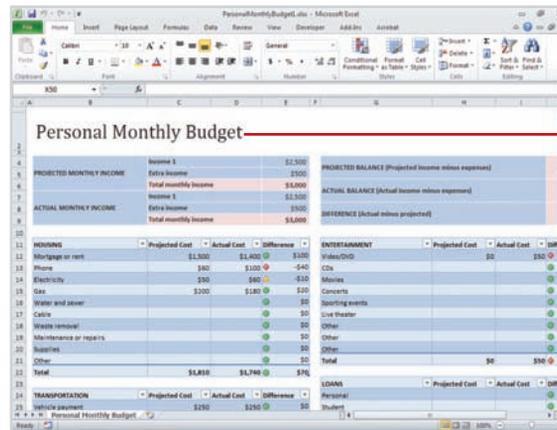
Numbered steps guide you through each task.

See Also points you to related information in the book.

Did You Know? alerts you to tips, techniques and related information.

Real World Examples

This book uses real world examples files to give you a context in which to use the task. By using the example files, you won't waste time looking for or creating sample files. You get a start file and a result file, so you can compare your work. Not every topic needs an example file, such as changing options, so we provide a complete list of the example files used throughout the book. The example files that you need for project tasks along with a complete file list are available on the Web at www.perspection.com.



Real world examples help you apply what you've learned to other tasks.

Workshops

This book shows you how to put together the individual step-by-step tasks into in-depth projects with the Workshop. You start each project with a sample file, work through the steps, and then compare your results with a project results file at the end. The Workshop projects and associated files are available on the Web at www.perspection.com.

Workshops

Introduction

The Workshop is all about being creative and thinking outside of the box. These workshops will help your right-brain soar, while making your left-brain happy, by explaining why things work the way they do. Exploring possibilities is great fun; however, always stay grounded with knowledge of how things work.

Getting and Using the Project Files

Each project in The Workshop includes a start file to help you get started with the project, and a final file to provide you with the results of the project so you can see how well you've accomplished the task.

Before you can use the project files, you need to download them from the Web. You can access the files at www.perspection.com in the software downloads area. After you download the files from the Web, you compress the files into a folder on your hard drive to which you have easy access from your Microsoft Office program.

Project 1: Creating a Drop-Down List

Skills and Tools

Create a drop-down list

Entering data in a worksheet can be tedious and repetitive. To make the job easier and get consistent accurate data, you can create a drop-down list of entries you define. To create a drop-down list, you create a list of valid entries in a single column or row without blanks, define a data, and then use the List option in the Data Validation dialog box. To enter data using a drop-down list, click the cell with the defined drop-down list, click the list arrow, and then click the entry you want.

The Project

In this project, you'll learn how to create a drop-down list from a named range of cells for use in conditional formatting.

The Process

- 1 Open Excel 2010, open `DropDown_start.xlsx`, and then save it as `DropDown2.xlsx`.
- 2 Click the Numbers tab.

The Workshops walks you through in-depth projects to help you put Microsoft Office to work.

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Microsoft Certified Applications Specialist

This book prepares you for the Microsoft Certified Applications Specialist (MCAS) exam for Microsoft Office 2010 programs. Each MCAS certification exam has a set of objectives, which are organized into broader skill sets. To prepare for the certification exam, you should review and perform each task identified with a MCAS objective to confirm that you can meet the requirements for the exam. Information about the MCAS program is available in the back of this book. The MCAS objectives and the specific pages that cover them are available on the Web at www.perspection.com.

Microsoft Certified Applications Specialist

About the MCAS Program

The Microsoft Certified Applications Specialist (MCAS) certification is the globally recognized standard for validating expertise with the Microsoft Office suite of business productivity programs. Earning an MCAS certificate acknowledges you have the expertise to work with Microsoft Office programs. To earn the MCAS certification, you must pass a certification exam for the Microsoft Office desktop applications of Microsoft Office Word, Microsoft Office Excel, Microsoft Office PowerPoint, Microsoft Office Outlook, or Microsoft Office Access. (The availability of Microsoft Certified Applications Specialist certification exams varies by program, program version, and language. Visit www.microsoft.com and search on *Microsoft Certified Applications Specialist* for exam availability and more information about the program.) The Microsoft Certified Applications Specialist program is the only Microsoft-approved program in the world for certifying proficiency with Microsoft Office programs.

What Does This Logo Mean?

It means this book has been approved by the Microsoft Certified Applications Specialist program to be certified coursework for learning Microsoft Office Word 2010, Excel 2010, PowerPoint 2010 and Outlook 2010, and preparing for the certification exam. This book will prepare you for the Microsoft Certified Applications Specialist exam for Microsoft Office Excel 2010. Each certification level has a set of objectives, which are organized into broader skill sets. The Microsoft Certified Applications Specialist objectives and the specific pages throughout this book that cover the objectives are available on the Web at www.perspection.com.

Microsoft Certified Application Specialist E11054.1 PPL05-2.2

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Get More on the Web

In addition to the information in this book, you can also get more information on the Web to help you get up to speed faster with Office 2010. Some of the information includes:

Transition Helpers

- ◆ **Only New Features.** Download and print the new feature tasks as a quick and easy guide.

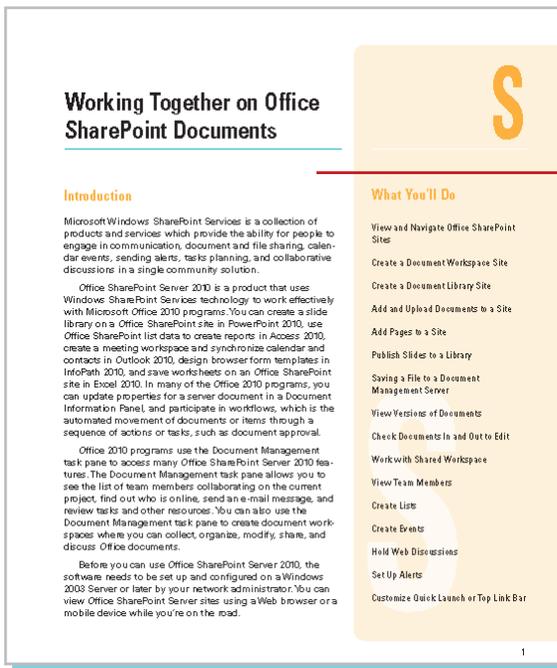
Productivity Tools

- ◆ **Keyboard Shortcuts.** Download a list of keyboard shortcuts to learn faster ways to get the job done.

More Content

- ◆ **Photographs.** Download photographs and other graphics to use in your Office documents.
- ◆ **More Content.** Download new content developed after publication. For example, you can download a complete chapter on Office SharePoint Server.

You can access these additional resources on the Web at www.queondemand.com or www.perspection.com.



Additional content is available on the Web. You can download a chapter on SharePoint.

Adding Art to Office Documents

Introduction

Although well-illustrated documents can't make up for a lack of content, you can capture your audiences' attention if your documents are vibrant and visually interesting. Microsoft Office comes with a vast array of clip art, and there are endless amounts available through other software packages or on the Web. When going online to look at clips, you can categorize them so that it's easier to find the best choice for your Office document. You can use the Microsoft Online Web site (Office.com) to search for and download additional clip art.

You can easily enhance an Office document by adding a picture—one of your own or one of the hundreds that come with Microsoft Office. If you need to modify your pictures, you can resize them, compress them for storage, change their brightness or contrast, recolor them, or crop them.

WordArt is another feature that adds detail to your document. Available in other Office programs, WordArt can bring together your documents—you can change its color, shape, shadow, or size. Because WordArt comes with so many style choices, time spent customizing your documents is minimal.

In Office programs, you can insert SmartArt graphics to create diagrams that convey processes or relationships. Office provides a wide-variety of built-in SmartArt graphic types from which to choose, including graphical lists, process, cycle, hierarchy, relationship, matrix, and pyramid. Using built-in SmartArt graphics makes it easy to create and modify charts without having to create them from scratch.

Instead of adding a table of dry numbers, insert a chart. Charts add visual interest and useful information represented by lines, bars, pie slices, or other markers. Office uses Microsoft Excel to embed and display the information in a chart.

What You'll Do

Locate and Insert Clip Art

Insert a Picture

Insert a Picture Screen Shot

Add an Artistic Style to a Picture

Add a Quick Style to a Picture

Apply a Shape and Border to a Picture

Apply Picture Effects

Modify Picture Size

Compress a Picture

Correct and Recolor a Picture

Crop, Rotate and Recolor a Picture

Remove a Picture Background

Create and Format WordArt Text

Apply and Modify WordArt Text Effects

Create and Format SmartArt Graphics

Modify a SmartArt Graphic

Add Pictures to a SmartArt Graphic

Create an Organization Chart

Insert and Create a Chart

Change a Chart Layout and Style

Change Chart Labels

Format Line and Bar Charts

Edit Chart Data

Save a Chart Template

Locating and Inserting Clip Art

Locate and Insert Clip Art

- 1 Click the **Insert** tab.
- 2 Click the **Clip Art** button.
- 3 Type the keyword(s) associated with the clip you are looking for.

To narrow your search, do one of the following:

- ◆ To limit search results to a specific collection of clip art, click the **Search For** list arrow, and then select the collections you want to search.
- ◆ To limit search results to a specific type of media file, click the **Results Should Be** list arrow, and then select the check box next to the types of clips you want to find.
- ◆ To display Office.com content, select the **Include Office.com** content check box (**New!**).
- ◆ To access clip art on Office.com, click the link at the bottom of the Clip Art task pane. Search and download images from the Office.com.

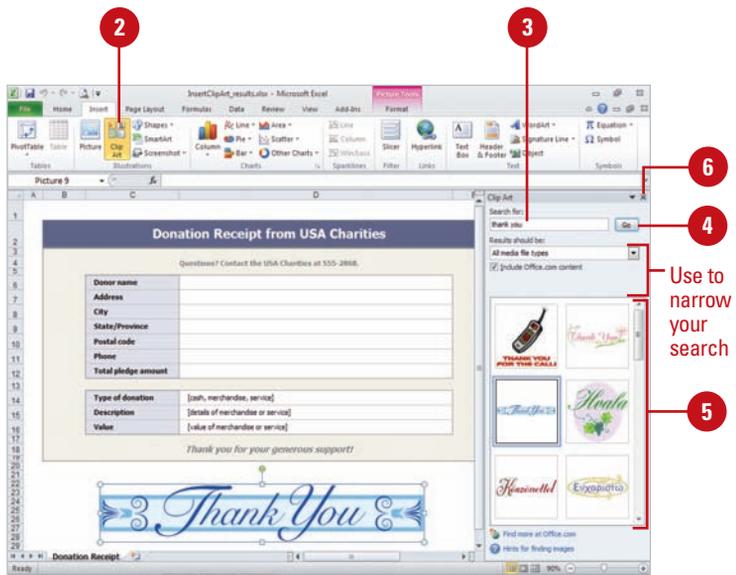
- 4 Click **Go**.

Clips matching the keywords appear in the Results list.

- 5 Click the clip you want, and then resize it, if necessary.

- 6 Click the **Close** button on the task pane.

To add a clip art image to a document, you can click the Insert Clip Art button on the Insert tab to open the Clip Art task pane. The Clip Art task pane helps you search for clip art and access the clip art available in the Clip Organizer and on Office.com, a clip gallery that Microsoft maintains on its Web site. You can limit search results to a specific collection of clip art or a specific type of media file. After you find the clip art you want, you can click it to insert it, or point to it to display a list arrow. Then click an available command, such as Insert, Make Available Offline, Edit Keywords, and Delete from Clip Organizer.



For Your Information

Understanding Clip Art Objects

Clip art objects (pictures and animated pictures) are images made up of geometric shapes, such as lines, curves, circles, squares, and so on. These images, known as vector images, are mathematically defined, which makes them easy to resize and manipulate. A picture in the Microsoft Windows Metafile (.wmf) file format is an example of a vector image. Clip Gallery also includes sounds or motion clips, which you can insert into a document. A **motion clip** is an animated picture—also known as an animated GIF—frequently used in Web pages. When you insert a sound, a small icon appears representing the sound file.

Inserting a Picture

Insert a Picture from a File

- 1 Click the **Insert** tab.
- 2 Click the **Picture** button.
- 3 Click the **Look in** list arrow, and then select the drive and folder that contain the file you want to insert.
- 4 Click the file you want to insert.
- 5 Click **Insert**.
 - ◆ To link a picture file, click the **Insert** button arrow, and then click **Link to File**.
 - ◆ To insert and link a picture file, click the **Insert** button arrow, and then click **Insert and Link**.

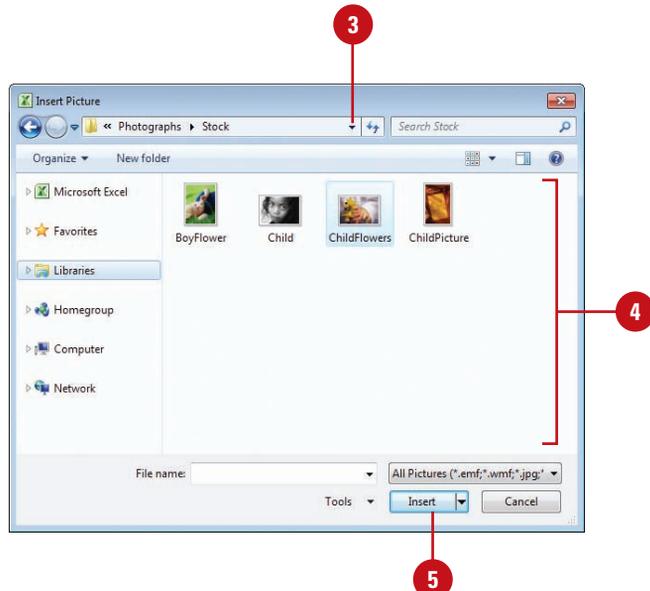
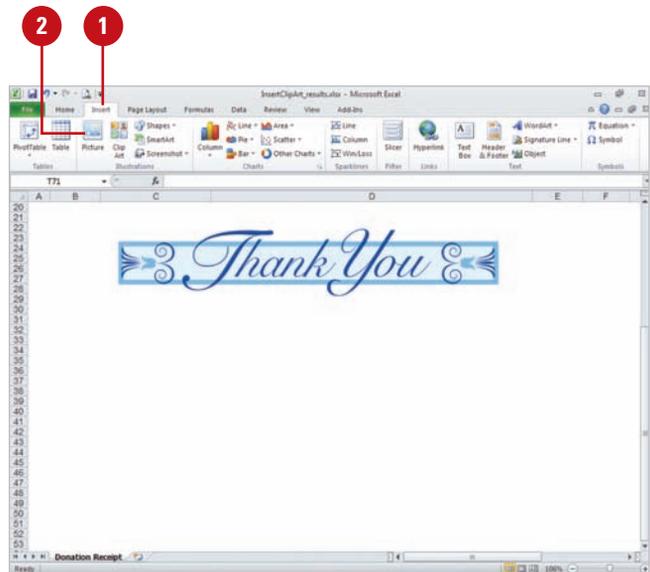
TROUBLE? If you see a red “x” instead of a picture or motion clip in your document, then you don’t have a graphics filter installed on your computer for that clip.

Did You Know?

You can change a picture. Select the picture, click the Change Picture button on the Format tab, select a picture, and then click Insert.

You can add graphic formats. If the graphic format you want to insert is not in the list, you can use Office Setup’s Add or Remove Features option to install additional graphic formats.

Office makes it possible for you to insert pictures, graphics, scanned photographs, art, photos, or artwork from a CD-ROM or other program into a document. When you use the Picture button on the Insert tab, you specify the source of the picture. When you insert pictures from files on your hard disk drive, scanner, digital camera, or Web camera, Office allows you to select multiple pictures, view thumbnails of them, and insert them all at once, which speeds up the process.



Inserting a Picture Screen Shot

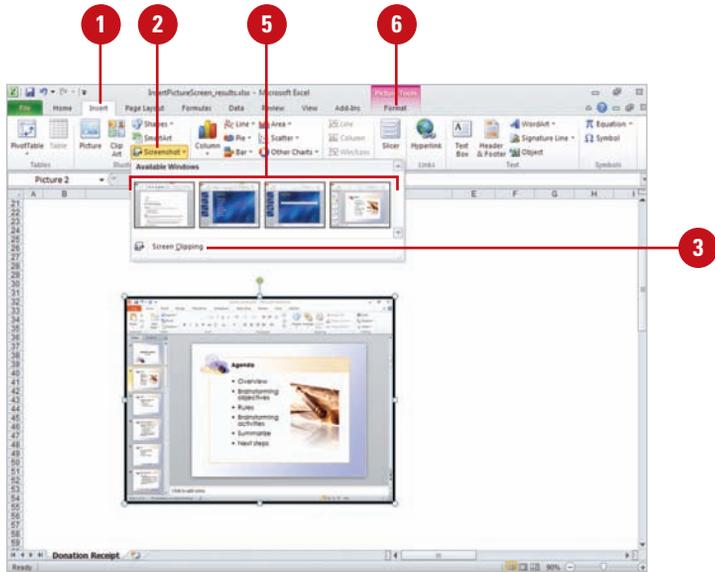
Insert a Picture Screen Shot

- 1 Click the **Insert** tab.
- 2 Click the **Screenshot** button.
- 3 Click **Screen Clipping**.
- 4 Display the screen you want to capture, and then drag the large plus cursor to select the screen area to capture.
- 5 Click the **Screenshot** button, and then click the thumbnail of the screen shot you want to insert.
- 6 Use the tools on the Picture Tools tab to edit and improve the screen shot.

Did You Know?

You can copy the window or screen contents. To make a copy of the active window, press Alt+Print Scrn. To copy the entire screen as it appears on your monitor, press Print Scrn.

If you're working on a training manual, presentation, or document that requires a picture of your computer screen, then the Screenshot button (**New!**) on the Insert tab just made your life a lot easier. You use the Screen Clipping tool to drag a selection around the screen area that you want to capture, and then select the picture from the Screenshot gallery. The Screenshot gallery holds multiple screen shots, so you can capture several screens before you insert them into your document. After you insert the screen shot into a document, you can use the tools on the Picture Tools tab to edit and improve it.

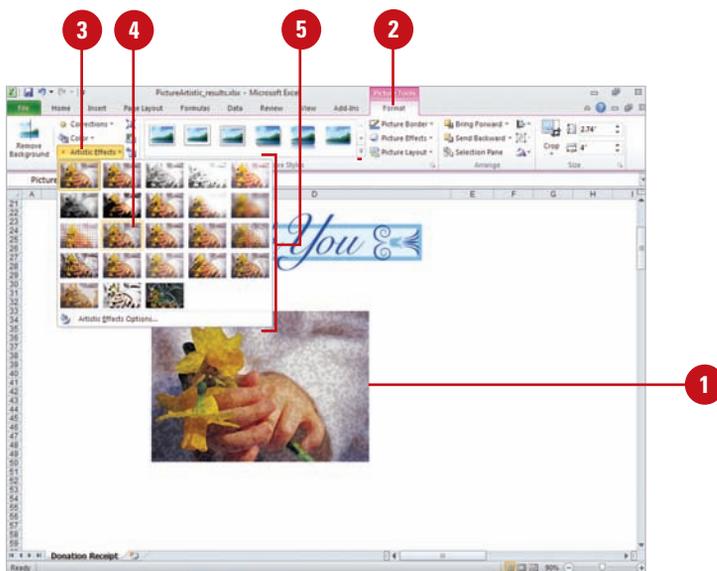


Adding an Artistic Style to a Picture

Add an Artistic Style to a Picture

- 1 Click the picture you want to change.
- 2 Click the **Format** tab under Picture Tools.
- 3 Click the **Artistic Effects** button.
The current style appears highlighted in the gallery.
- 4 Point to a style.
A live preview of the style appears in the picture.
- 5 Click the style you want from the gallery to apply it to the selected picture.

With the Artistic Quick Style gallery (**New!**), you can transform a picture into a piece of artwork. The Artistic Quick Style gallery makes it easy to change the look of a picture to a sketch, drawing, or painting. The Picture Quick Style gallery provides a variety of different formatting options—such as Pencil Sketch, Line Drawing, Watercolor Sponge, Mosaic Bubble, Glass, Pastels Smooth, Plastic Wrap, Photocopy, and Paint Strokes—to create a professional look. To quickly see if you like an Artistic Quick Style, point to a thumbnail in the gallery to display a live preview of it in the selected shape. If you like it, you can apply it.



Adding a Quick Style to a Picture

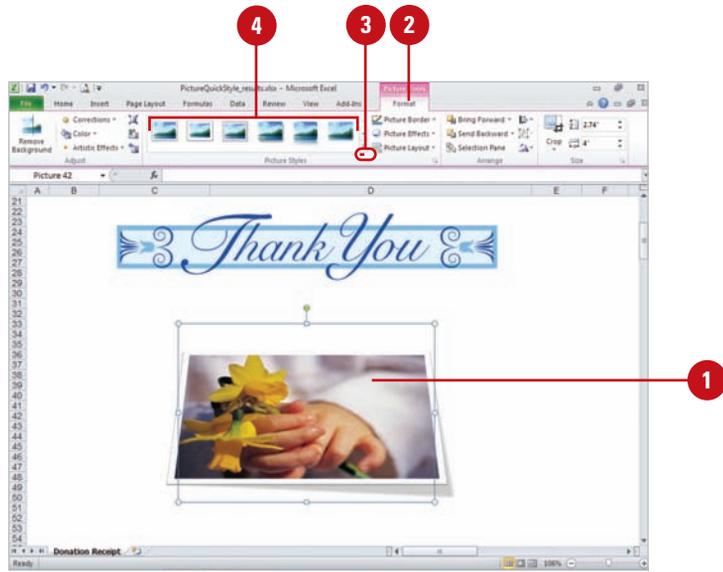
Add a Quick Style to a Picture

- 1 Click the picture you want to change.
- 2 Click the **Format** tab under Picture Tools.
- 3 Click the scroll up or down arrow, or click the **More** list arrow in the Picture Styles group to see additional styles.
- 4 Point to a style.
- 5 Click the style you want from the gallery to apply it to the selected picture.

Did You Know?

You can save a shape as a picture in the PNG format. Right-click the shape, click Save As Picture, type a name, and then click Save.

Instead of changing individual attributes of a picture—such as shape, border, and effects—you can quickly add them all at once with the Picture Quick Style gallery. The Picture Quick Style gallery provides a variety of different formatting combinations to create a professional look. To quickly see if you like a Picture Quick Style, point to a thumbnail in the gallery to display a live preview of it in the selected shape. If you like it, you can apply it.



Applying a Shape to a Picture

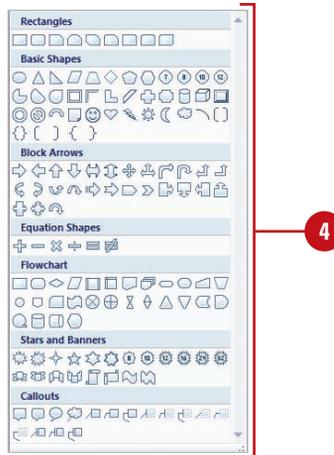
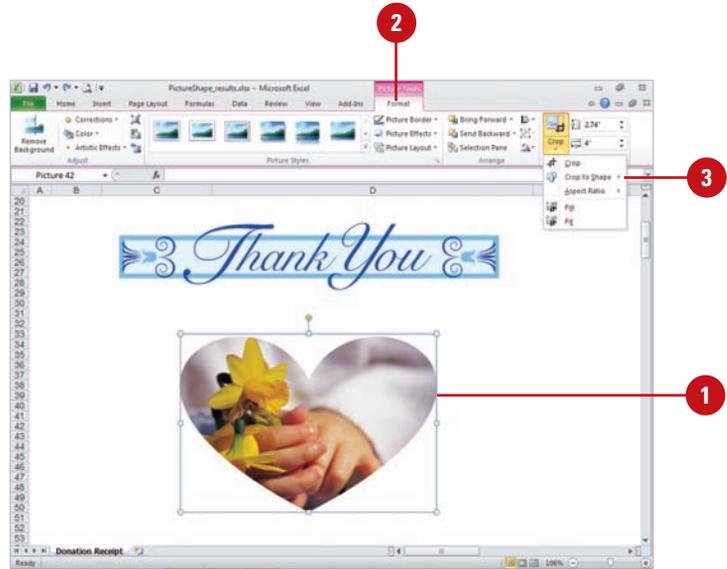
Apply a Shape to a Picture

- 1 Click the picture you want to change.
- 2 Click the **Format** tab under Picture Tools.
- 3 Click the **Crop** button arrow, and then point to **Crop to Shape**.
- 4 Select the shape you want to apply to the selected picture.

Did You Know?

You can quickly return a picture back to its original form. Select the picture, click the Format tab, and then click the Reset Picture button.

After you insert a picture into your document, you can select it and apply one of Office's shapes to it. The picture appears in the shape just like it has been cropped. The Crop to Shape gallery (**New!**) makes it easy to choose the shape you want to use. Live preview is not available with the Crop to Shape gallery. You can try different shapes to find the one you want. If you don't find the one you want, you can use the Reset Picture button to return the picture back to its original state.



Applying a Border to a Picture

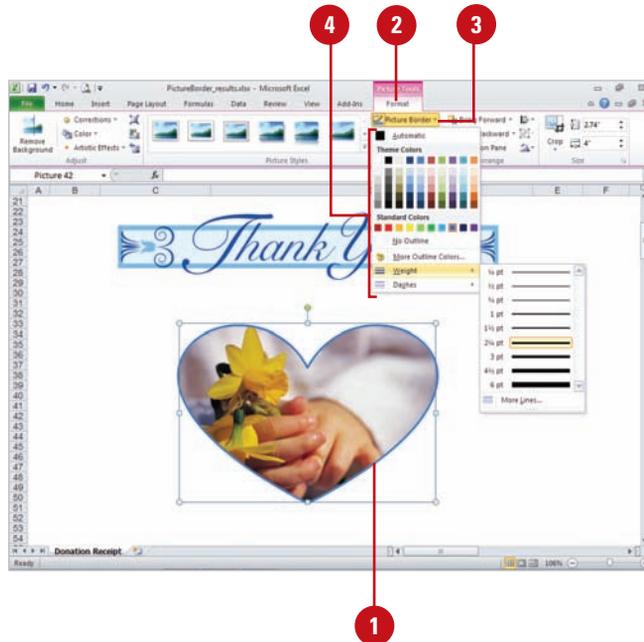
Apply a Border to a Picture

- 1 Click the picture you want to change.
- 2 Click the **Format** tab under Picture Tools.
- 3 Click the **Picture Border** button.
- 4 Click a color, or point to **Weight**, or **Dashes**, and then select a style, or click **More Lines** to select multiple options.
- 5 Drag a sizing handle to change the size or angle of the line or arrow.

Did You Know?

You can remove a border. Select the picture, click the Format tab, click the Picture Border button, and then click No Outline.

After you insert a picture, you can add and modify the picture border by changing individual outline formatting using the Picture Border button on the Format tab under Picture Tools. The Picture Border button works just like the Shape Outline button and provides similar options to add a border, select a border color, and change border width and style. You can try different border combinations to find the one you want. If you don't find one that works for you, you can use the No Outline command on the Picture Border gallery to remove it.



Applying Picture Effects

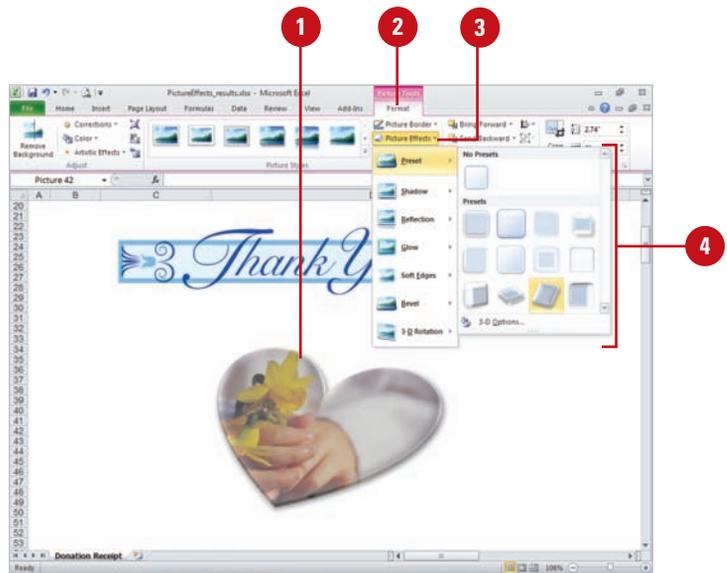
You can change the look of a picture by applying effects, such as shadows, reflections, glow, soft edges, and 3-D rotations. You can also apply effects to a shape by using the Picture Effects gallery for quick results, or by using the Format Shape dialog box for custom results. From the Picture Effects gallery, you can apply a built-in combination of 3-D effects or individual effects to a picture. To quickly see if you like a picture effect, point to a thumbnail in the Picture Effects gallery to display a live preview of it. If you like it, you can apply it. If you no longer want to apply a picture effect to an object, you can remove it. Simply select the picture, point to the effect type on the Picture Effects gallery, and then select the No effect type option.

Add an Effect to a Picture

- 1 Click the picture you want to change.
- 2 Click the **Format** tab under Picture Tools.
- 3 Click the **Picture Effects** button, and then point to one of the following:
 - ◆ **Preset** to select No 3-D, one of the preset types, or More 3-D Settings.
 - ◆ **Shadow** to select No Shadow, one of the shadow types, or More Shadows.
 - ◆ **Reflection** to select No Reflection or one of the Reflection Variations.
 - ◆ **Glow** to select No Glow, one of the Glow Variations, or More Glow Colors.
 - ◆ **Soft Edges** to select No Soft Edges or a point size to determine the soft edge amount.
 - ◆ **3-D Rotation** to select No Rotation, one of the rotation types, or More 3-D Settings.

When you point to an effect, a live preview of the style appears in the current shape.

- 4 Click the effect you want from the gallery to apply it to the selected shape.

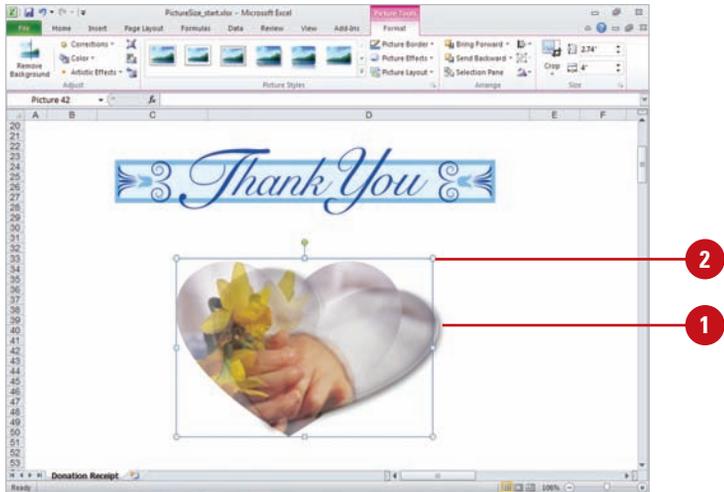


Modifying Picture Size

Resize a Picture

- 1 Click the object you want to resize.
- 2 Drag one of the sizing handles to increase or decrease the object's size.
 - ◆ Drag a middle handle to resize the object up, down, left, or right.
 - ◆ Drag a corner handle to resize the object proportionally.

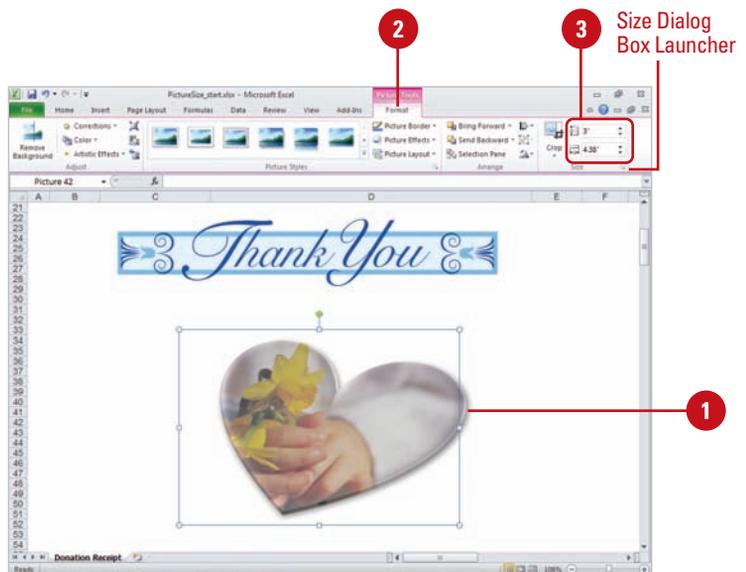
Once you have inserted a picture, clip art and other objects into your document, you can adapt them to meet your needs. Like any object, you can resize a picture. You can use the sizing handles to quickly resize a picture or use height and width options in the Size group on the Format tab to resize a picture more precisely. If you want to set unique or multiple options at the same time, you can use the Size and Position dialog box. These options allow you to make sure your pictures keep the same relative proportions as the original and lock size proportions.



Resize a Picture Precisely

- 1 Click the object you want to resize.
- 2 Click the **Format** tab under Picture Tools.
- 3 Click the up and down arrows or enter a number (in inches) in the Height and Width boxes on the Ribbon and press Enter.

If the **Lock aspect ratio** check box is selected in the Size and Position dialog box, height or width automatically changes when you change one of them. Click the **Size Dialog Box Launcher** to change the option.



Precisely Scale a Picture

- 1 Click the object you want to resize.
- 2 Click the **Format** tab under Picture Tools.
- 3 Click the **Size Dialog Box Launcher**.
- 4 To keep the picture proportional, select the **Lock aspect ratio** check box.
- 5 To keep the picture the same relative size, select the **Relative to original picture size** check box.
- 6 Click the up and down arrows or enter a number in the Height and Width boxes in one of the following:

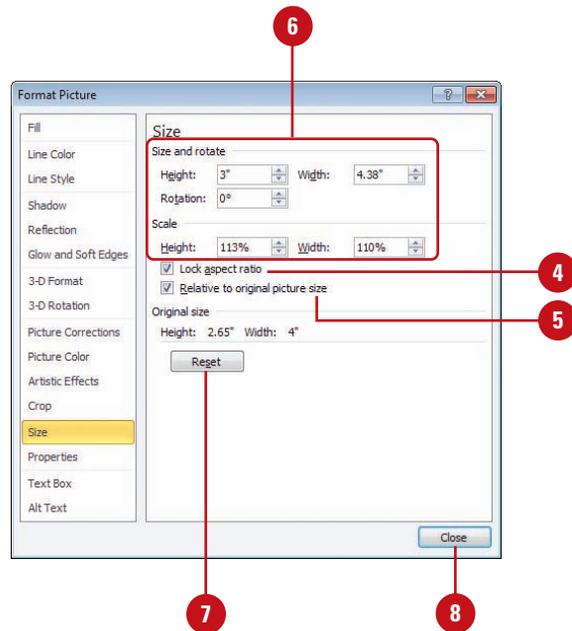
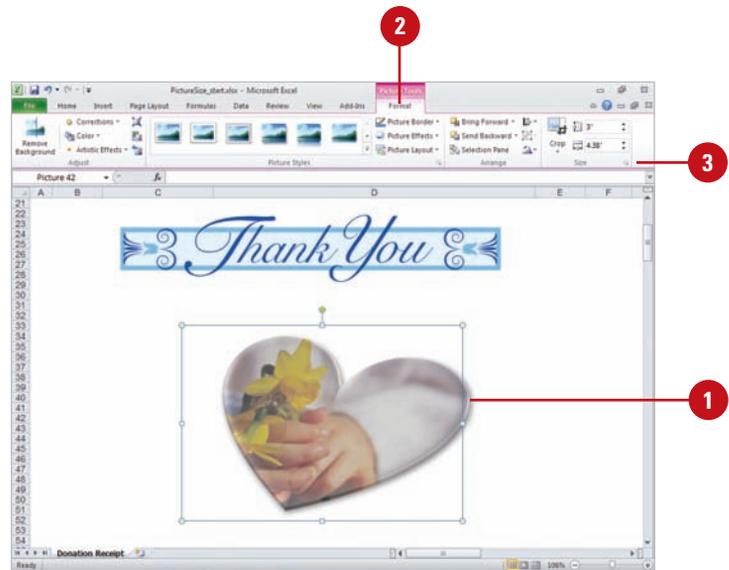
- ◆ **Size.** Enter a height and width size in inches.
- ◆ **Scale.** Enter a percentage size.

If the Lock aspect ratio check box is selected, height or width automatically changes when you change one of them.

- 7 If you want to remove your changes, click **Reset**.
- 8 Click **Close**.

Did You Know?

Resizing bitmaps can cause distortion. Bitmap images are made up of dots, and do not lend themselves as easily to resizing because the dots can't expand and contract, which can lead to distortion. To avoid distortion, resize bitmaps proportionally and try to resize smaller instead of larger.

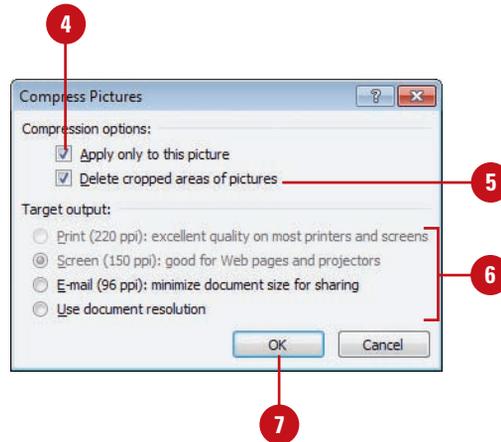
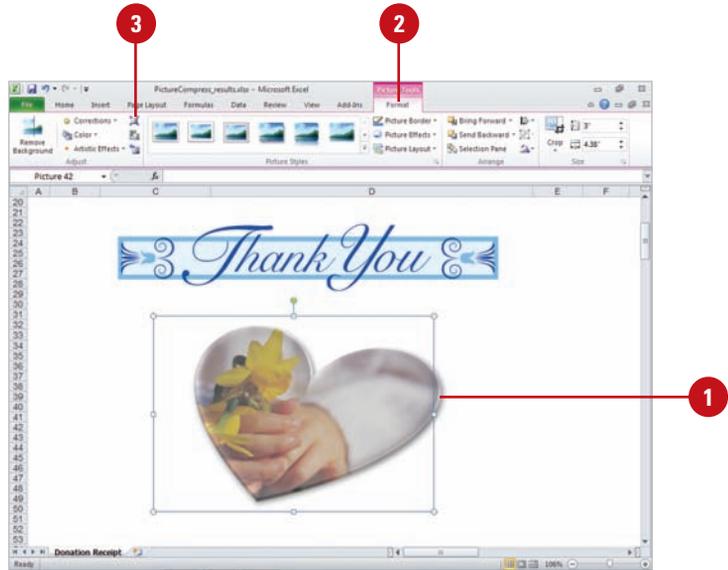


Compressing a Picture

Compress a Picture

- 1 Click to select the pictures you want to compress.
- 2 Click the **Format** tab under Picture Tools.
- 3 Click the **Compress Pictures** button.
- 4 Select the **Apply only to this picture** check box to apply compression setting to only the selected picture. Otherwise, clear the check box to compress all pictures in your document.
- 5 Select or clear the **Delete cropped areas of pictures** check box to reduce file.
- 6 Click the **Print, Screen, E-mail, or Document (New!)** option to specify a target output.
- 7 Click **OK**.

Office allows you to compress pictures in order to minimize the file size of the image. In doing so, however, you may lose some visual quality, depending on the compression setting (**New!**). You can pick the resolution that you want for the pictures in a document based on where or how they'll be viewed (for example, on the Web or printed). You can also set other options, such as Delete cropped areas of picture, to get the best balance between picture quality and file size or automatically compress pictures when you save your document.



Correcting a Picture

Change Brightness and Contrast or Sharpen and Soften

- 1 Click the picture you want to change.
- 2 Click the **Format** tab under Picture Tools.
- 3 Click the **Corrections** button, and then do one of the following:

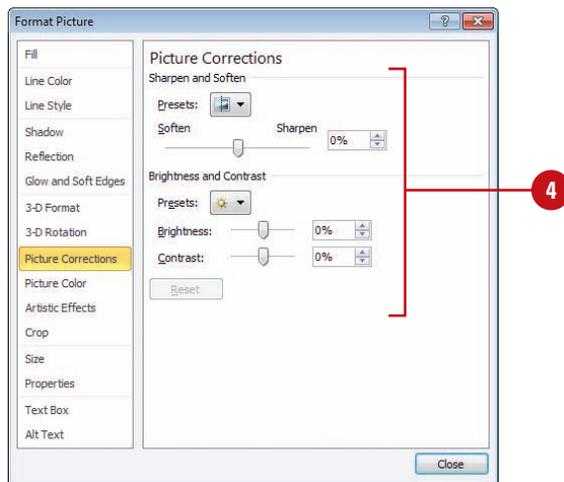
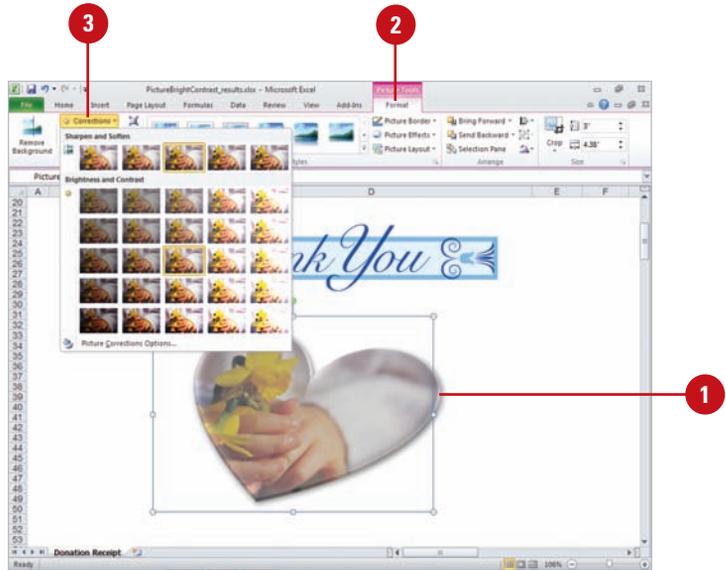
- ◆ **Brightness and Contrast.** Click a brightness and contrast option.

A positive brightness lightens the object colors by adding more white, while a negative brightness darkens the object colors by adding more black. A positive contrast increases intensity, resulting in less gray, while a negative contrast to decrease intensity, resulting in more gray.

- ◆ **Sharpen and Soften.** Click a sharpen and soften option.

- 4 To set custom correction percentages, click the **Corrections** button, click **Picture Corrections Options**, specify the options you want, and then click **Close**.

Once you have inserted a picture, you can control the image's colors, brightness, and contrast using Picture tools. The brightness and contrast controls let you make simple adjustments to the tonal range of a picture. The brightness and contrast controls change a picture by an overall lightening or darkening of the image pixels. In addition, you can sharpen and soften pictures by a specified percentage (**New!**). You can experiment with the settings to get the look you want. If you don't like the look, you can use the Reset Picture button to return the picture back to its original starting point.

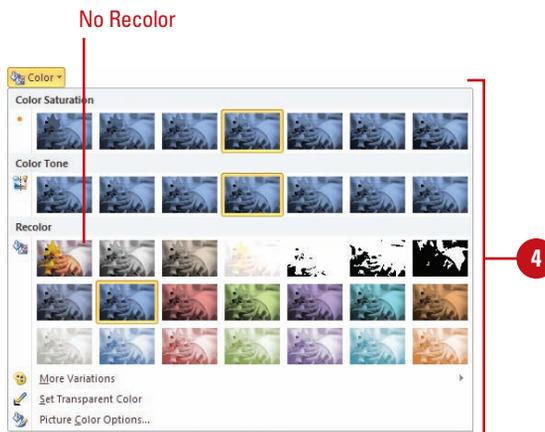
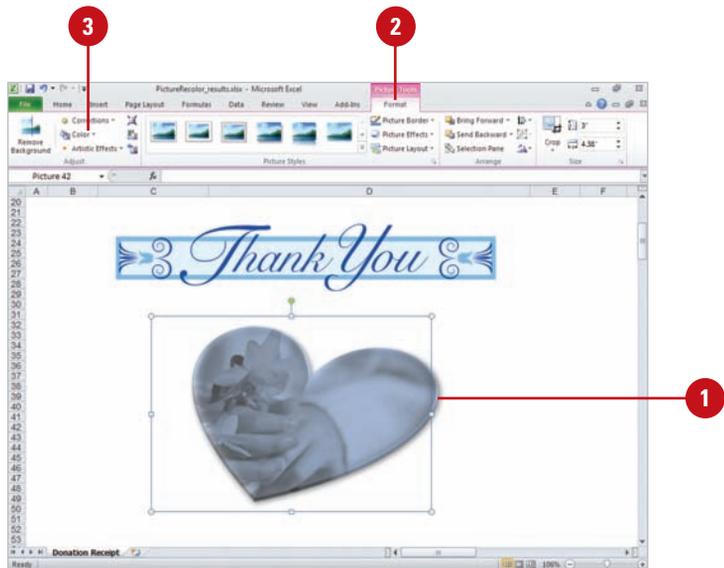


Recoloring a Picture

Recolor a Picture

- 1 Click the picture whose color you want to change.
- 2 Click the **Format** tab under Picture Tools.
- 3 Click the **Color** button.
- 4 Click one of the Color options.
 - ◆ **Recolor.** Click an option to apply a color type:
 - No Recolor.** Click this option to remove a previous recolor.
 - Grayscale.** Converts colors into whites, blacks and shades of gray between black and white.
 - Sepia.** Converts colors into very light gold and yellow colors like a picture from the old west.
 - Washout.** Converts colors into whites and very light colors.
 - Black and White.** Converts colors into only white and black.
 - ◆ **Color Saturation** or **Color Tone.** Click an option to apply a color saturation or tone based on the recolor selection.
 - ◆ **More Variations.** Point to this option to select a specific color.
 - ◆ **Picture Color Options.** Click this option to set custom recolor options by percentage.

You can recolor clip art and other objects to match the color scheme of your document. For example, if you use a flower clip art as your business logo, you can change shades of pink in the spring to shades of orange in the autumn. The Color Picture Quick Style gallery (**New!**) provides a variety of different recolor formatting combinations. To quickly see if you like a Color Picture Quick Style, point to a thumbnail in the gallery to display a live preview of it in the selected shape. If you like it, you can apply it. You can also use a transparent background in your picture to avoid conflict between its background color and your document's background. With a transparent background, the picture takes on the same background as your document.



Set a Transparent Background

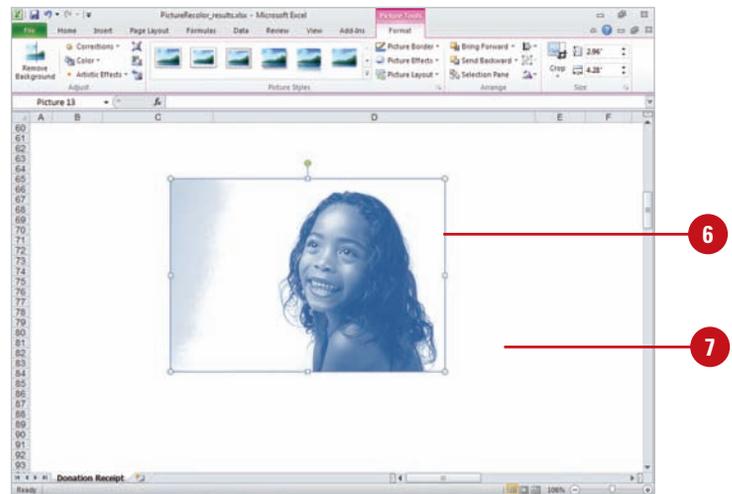
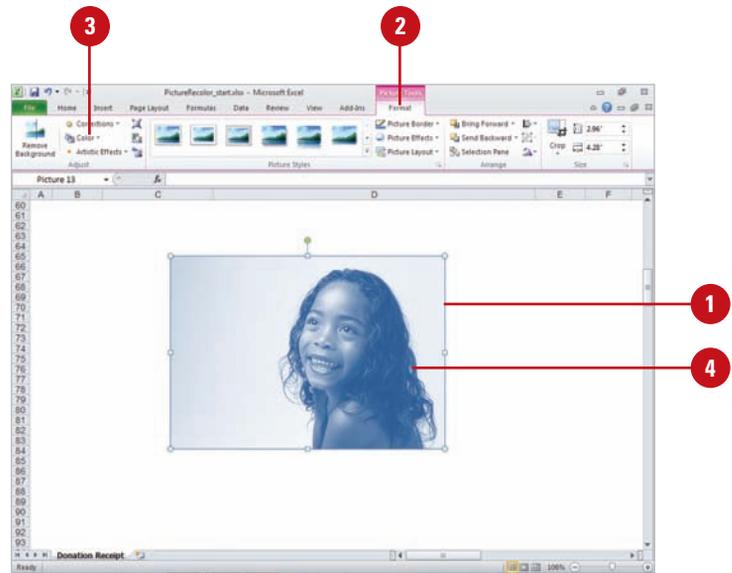
- 1 Click the picture you want to change.
- 2 Click the **Format** tab under Picture Tools.
- 3 Click the **Color** button, and then click **Set Transparent Color**.
- 4 Move the pointer over the object until the pointer changes shape.
- 5 Click the color you want to set as transparent.
- 6 Move the pointer over the picture where you want to apply the transparent color, and then click to apply it.
- 7 When you're done, click outside the image.

Did You Know?

Why is the Set Transparent Color command dimmed? Setting a color as transparent works only with bitmaps. If you are working with an object that is not a bitmap, you will not be able to use this feature.

You can't modify some pictures in Office. If the picture is a bitmap (.BMP, .JPG, .GIF, or .PNG), you need to edit its colors in an image editing program, such as Adobe Photoshop, Microsoft Paint, or Paint Shop Pro.

You can reset a picture back to its original state. Click the picture you want to reset, click the Format tab under Picture Tools, and then click the Reset Picture button.

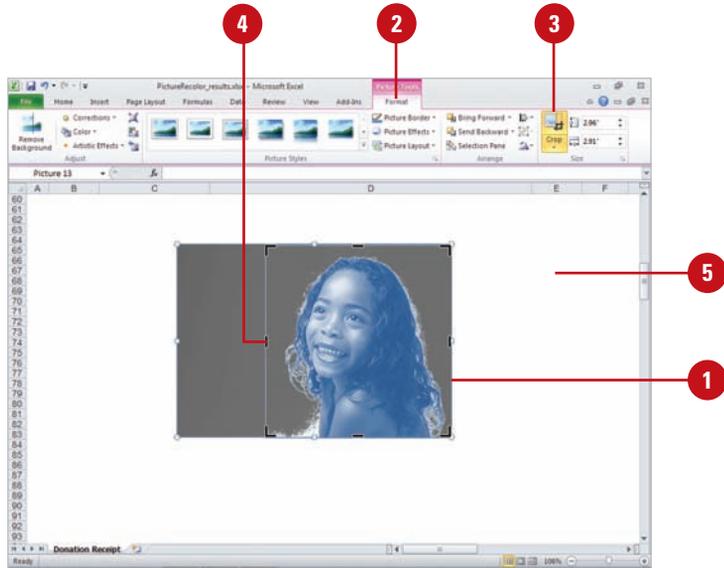


Cropping and Rotating a Picture

You can crop clip art to isolate just one portion of the picture. Because clip art uses vector image technology, you can crop even the smallest part of it and then enlarge it, and the clip art will still be recognizable. You can also crop bitmapped pictures, but if you enlarge the area you cropped, you lose picture detail. Use the Crop button to crop an image by hand. In addition, you can crop a picture while maintaining a selected resize aspect ratio (**New!**) or crop a picture based on a fill or fit (**New!**). You can also rotate a picture by increments or freehand.

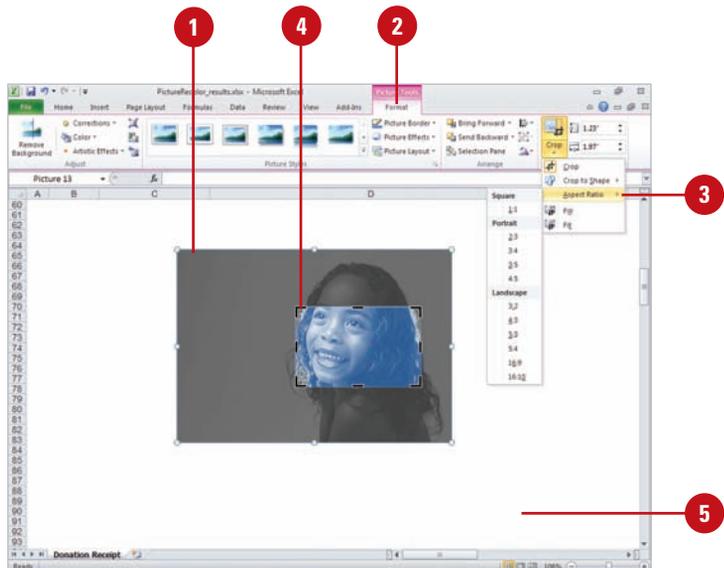
Crop a Picture Quickly

- 1 Click the picture you want to crop.
- 2 Click the **Format** tab under Picture Tools.
- 3 Click the **Crop** button.
- 4 Drag the sizing handles until the borders surround the area you want to crop.
- 5 Click outside the image when you are finished.



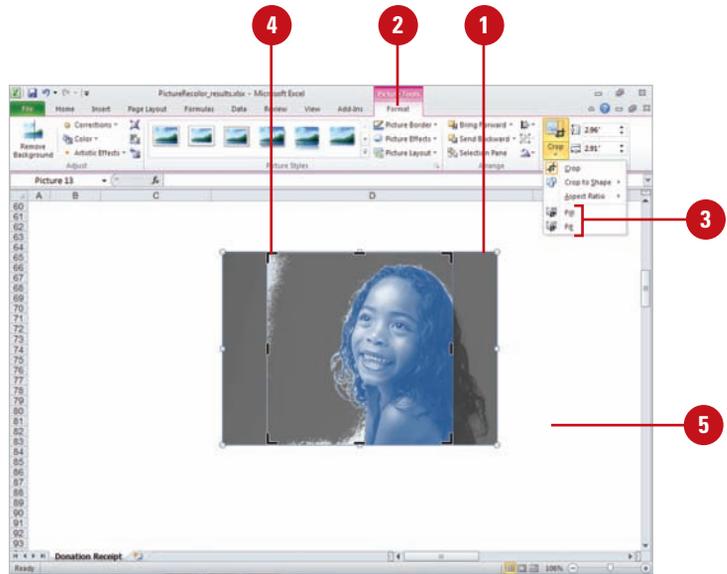
Crop a Picture with an Aspect Ratio

- 1 Click the picture you want to crop.
- 2 Click the **Format** tab under Picture Tools.
- 3 Click the **Crop** button arrow, point to **Aspect Ratio**, and then select an aspect ratio.
- 4 Drag the sizing handles until the borders surround the area you want to crop.
- 5 Click outside the image when you are finished.



Crop a Picture with a Fill or Fit

- 1 Click the picture you want to crop.
- 2 Click the **Format** tab under Picture Tools.
- 3 Click the **Crop** button arrow, and then select an option:
 - ◆ **Fill.** Resizes the picture so the entire picture area is filled while maintaining the aspect ratio. Any area outside of the picture area is cropped.
 - ◆ **Fit.** Resizes the picture so the entire picture displays inside the picture area while maintaining the aspect ratio.
- 4 Drag the sizing handles until the borders surround the area you want to crop.
- 5 Click outside the image when you are finished.

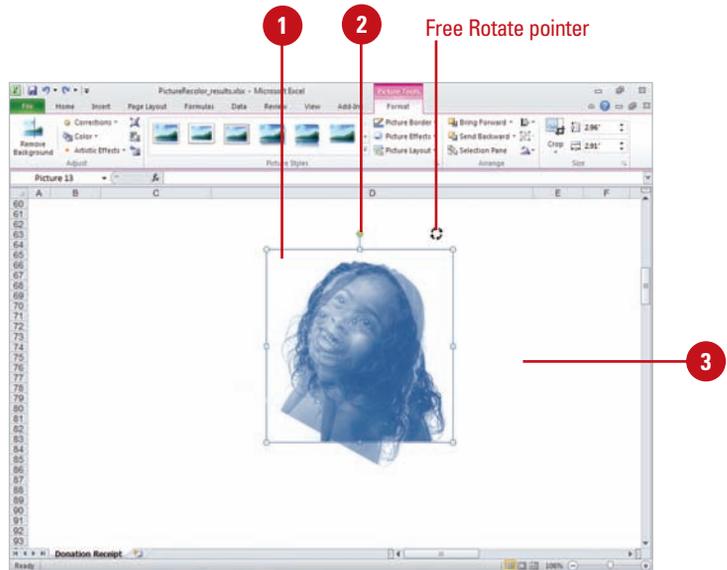


Rotate a Picture

- 1 Click the object you want to rotate.
- 2 Position the pointer (which changes to the Free Rotate pointer) over the green rotate lever at the top of the object, and then drag to rotate the object.
- 3 Click outside the object to set the rotation.

Did You Know?

You can rotate or flip a picture. Select the picture, click the Format tab, click the Rotate button, and then click Rotate Right 90, Rotate Left 90, Flip Vertical, Flip Horizontal, or click More Rotation Options.

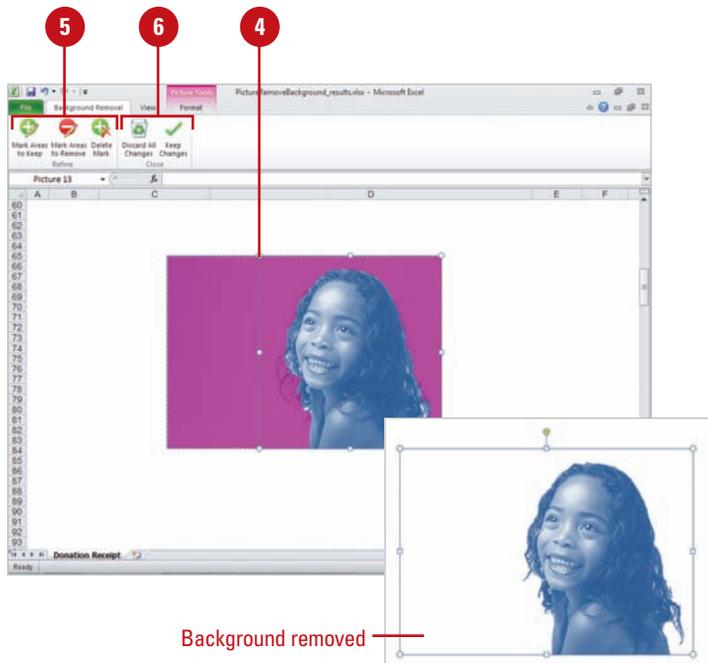
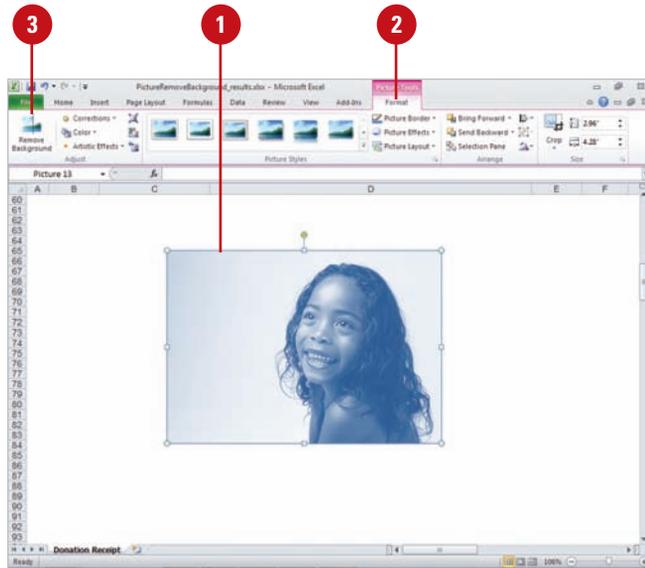


Removing a Picture Background

Remove a Picture Background

- 1 Click the picture you want to change.
- 2 Click the **Format** tab under Picture Tools.
- 3 Click the **Remove Background** button.
- 4 Drag the handles on the marquee lines to specify the part of the picture you want to keep. The area outside the marquee gets removed.
- 5 To manually specify which areas to keep and which areas to remove, do the following:
 - ◆ **Mark Areas to Keep.** Click the button, and then draw lines to specify which parts of the picture you do not want automatically removed.
 - ◆ **Mark Areas to Remove.** Click the button, and then draw lines to specify which parts of the picture you do want removed in addition to those automatically marked.
 - ◆ **Delete Mark.** Click the button, and then click marked lines to remove them.
- 6 Click the **Keep Changes** button to close and keep the removal or click the **Discard All Changes** button to close and cancel the automatic removal.

Sometimes you want to use an element from a picture instead of the entire picture. With the Remove Background command (**New!**), you can specify the element you want in a picture, and then remove the background. You can use automatic background removal or you can manually draw lines to specify which parts of the picture background you want to keep and which to remove.



Creating WordArt Text

Insert WordArt Text

- 1 Click the **Insert** tab.
- 2 Click the **WordArt** button, and then click one of the WordArt styles.

A WordArt text box appears on the document with selected placeholder text.

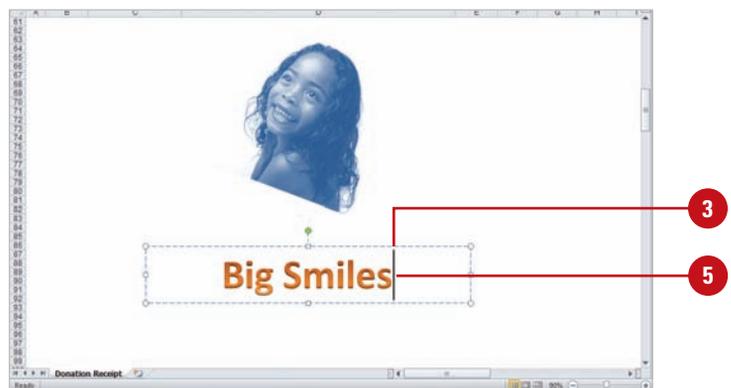
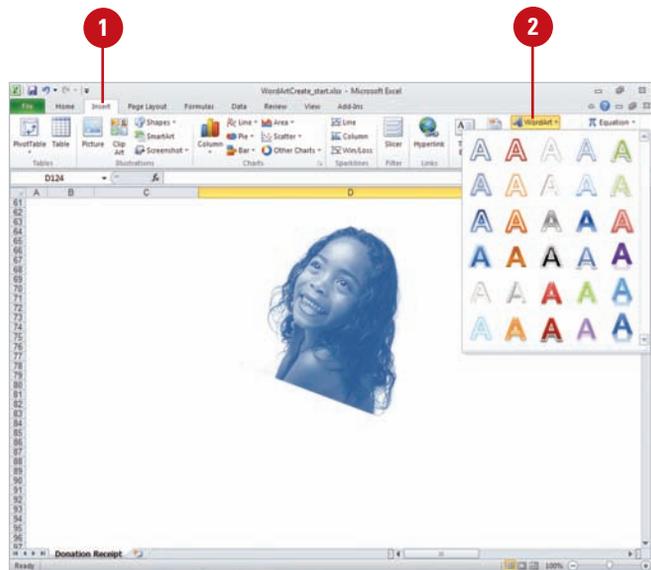
- 3 Type the text you want WordArt to use.
 - ◆ Drag a resize handle as needed to increase or decrease the size of the WordArt text box.
- 4 If applicable, use the Font and Paragraph options on the Home tab to modify the text you entered.
- 5 To edit WordArt text, click to place the insertion point where you want to edit, and then edit the text.

Did You Know?

You can convert text in a text box to WordArt. Select the text box, click the Format tab under Drawing Tools, and then click the WordArt text style you want from the Ribbon.

You can remove WordArt text. Select the WordArt text you want to remove, click the Format tab, click the Quick Styles button, and then click Clear WordArt.

The WordArt feature lets you create stylized text to draw attention to your most important words. Most users apply WordArt to a word or a short phrase, such as *Big Smiles*. You should apply WordArt to a document sparingly. Its visual appeal and unique look requires uncluttered space. When you use WordArt, you can choose from a variety of text styles that come with the WordArt Quick Style gallery, or you can create your own using tools in the WordArt Styles group. To quickly see if you like a WordArt Quick Style, point to a thumbnail in the gallery to display a live preview of it in the selected text. If you like it, you can apply it. You can also use the free angle handle (pink diamond) inside the selected text box to adjust your WordArt text angle.



Formatting WordArt Text

Apply a Different WordArt Style to Existing WordArt Text

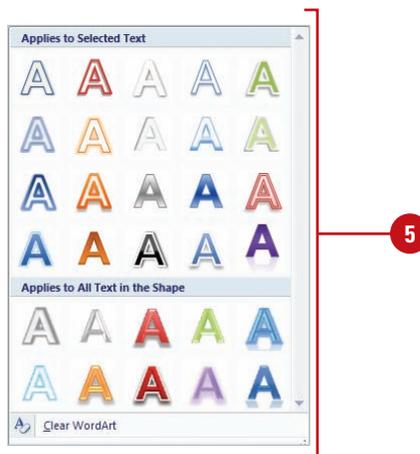
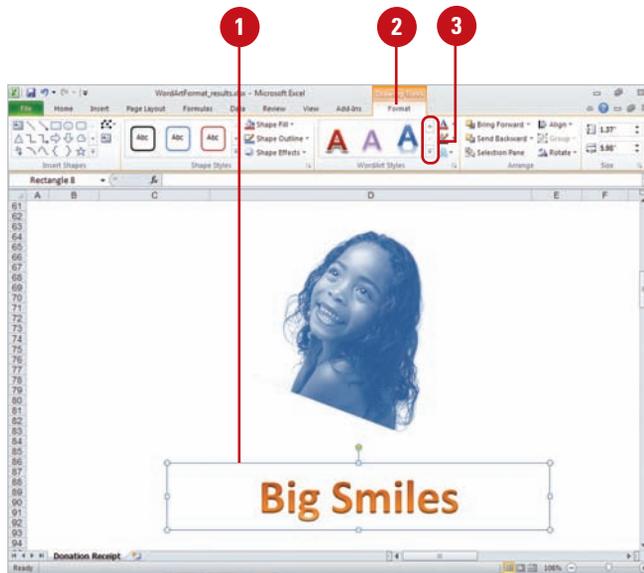
- 1 Click the WordArt object whose style you want to change.
- 2 Click the **Format** tab under Drawing or WordArt Tools.
- 3 Click the scroll up or down arrow, or click the **More** list arrow in the WordArt Styles group to see additional styles.
- 4 Point to a style.
- 5 Click the style you want from the gallery to apply it to the selected shape.

Did You Know?

You can add more formatting to WordArt text. Select the WordArt object, click the Home tab, and then use the formatting button in the Font and Paragraph groups.

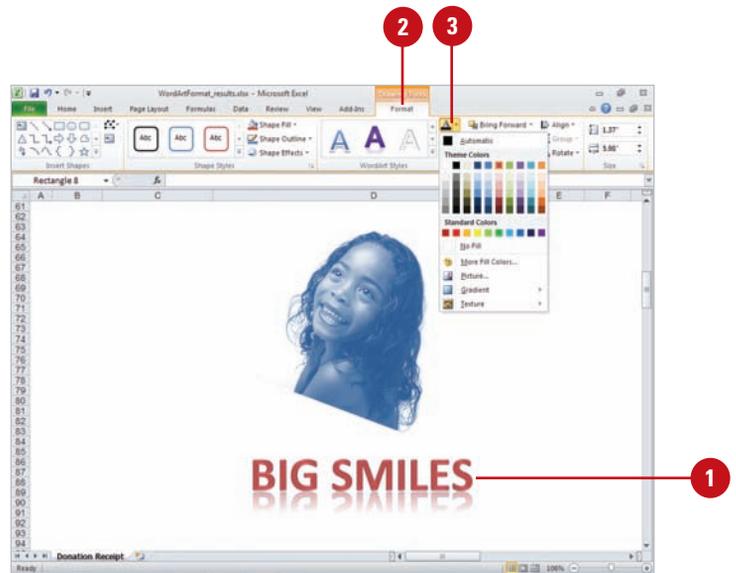
You can change the WordArt fill color to match the background. Click the WordArt object, right-click the object, click Format Shape, click the Background option, and then click Close.

In addition to applying one of the preformatted WordArt styles, you can also create your own style by shaping your text into a variety of shapes, curves, styles, and color patterns. The WordArt Styles group gives you tools for changing the fill and outline of your WordArt text. To quickly see if you like a WordArt Style, point to a thumbnail in the gallery to display a live preview of it in the selected text. If you like it, you can apply it.



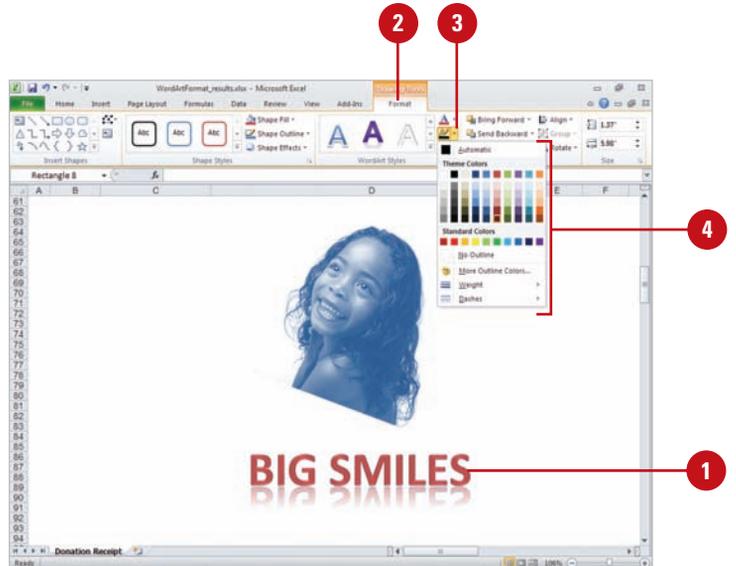
Apply a Fill to WordArt Text

- 1 Click the WordArt object you want to change.
- 2 Click the **Format** tab under Drawing or WordArt Tools.
- 3 Click the **Text Fill** or **Shape Fill** button arrow, and then click or point to one of the following:
 - ◆ **Color** to select a theme or standard color.
 - ◆ **No Fill** to remove a fill color.
 - ◆ **Picture** to select a picture file.
 - ◆ **Gradient** to select No Gradient, one of the shadow types, or More Gradients.
 - ◆ **Texture** to select one of the texture types, or More Textures.



Apply an Outline to WordArt Text

- 1 Click the WordArt object you want to change.
- 2 Click the **Format** tab under Drawing or WordArt Tools.
- 3 Click the **Text Outline** or **Shape Outline** button arrow.
- 4 Click a color, or point to **Weight** or **Dashes**, and then select a style.

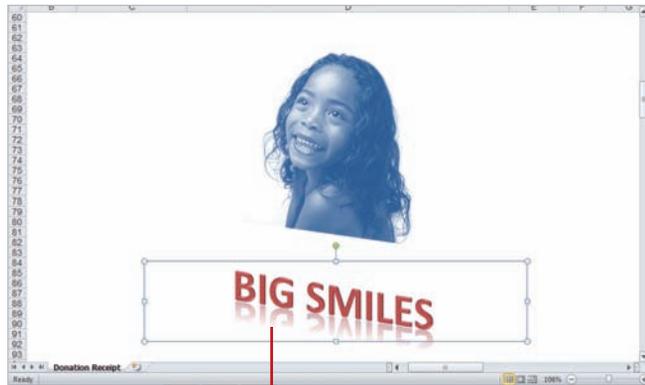
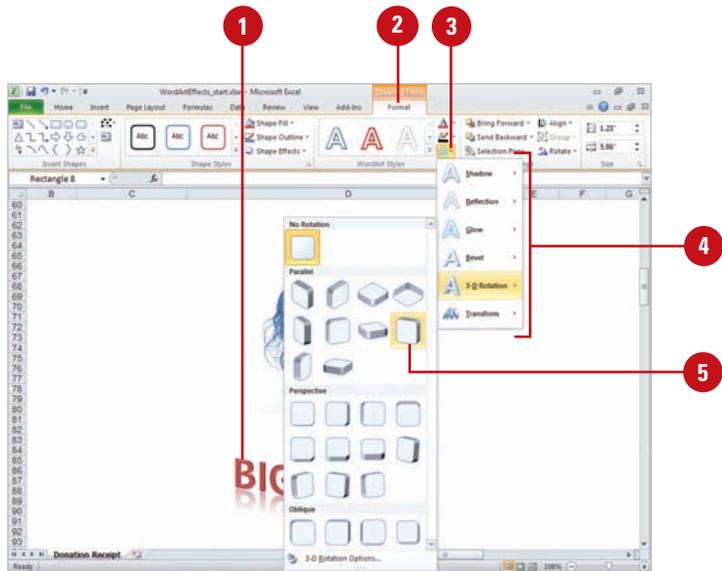


Applying WordArt Text Effects

Apply an Effect to WordArt Text

- 1 Click the WordArt object you want to change.
- 2 Click the **Format** tab under Drawing or WordArt Tools.
- 3 Click the **Text Effects** button.
 - ◆ For Word, use the Shadow Effects and 3D Effects buttons.
- 4 Point to one of the following:
 - ◆ **Shadow** to select No Shadow, one of the shadow types (Outer or Inner), or More Shadows.
 - ◆ **Reflection** to select No Reflection or one of the Reflection Variations.
 - ◆ **Glow** to select No Glow, one of the Glow Variations, or More Glow Colors.
 - ◆ **Bevel** to select No Bevel, one of the bevel variations, or More 3-D Settings.
 - ◆ **3-D Rotation** to select No Rotation, one of the rotation types (Parallel, Perspective, or Oblique), or More 3-D Settings.
 - ◆ **Transform** to select No Transform, or one of the transform types (Follow Path or Warp).
- 5 Click the effect you want to apply to the selected shape.

You can change the look of WordArt text by applying effects, such as shadows, reflections, glow, soft edges, 3-D rotations, and transformations. You can apply effects to a shape by using the Text Effects gallery for quick results. From the Text Effects gallery you can apply a built-in combination of 3-D effects or individual effects to WordArt text. To quickly see if you like the effect, point to a thumbnail in the Text Effects gallery to display a live preview of it. If you like it, you can apply it. If you no longer want to apply the effect, you can remove it. Simply, select the WordArt text, point to the effect type on the Text Effects gallery, and then select the No effect type option.



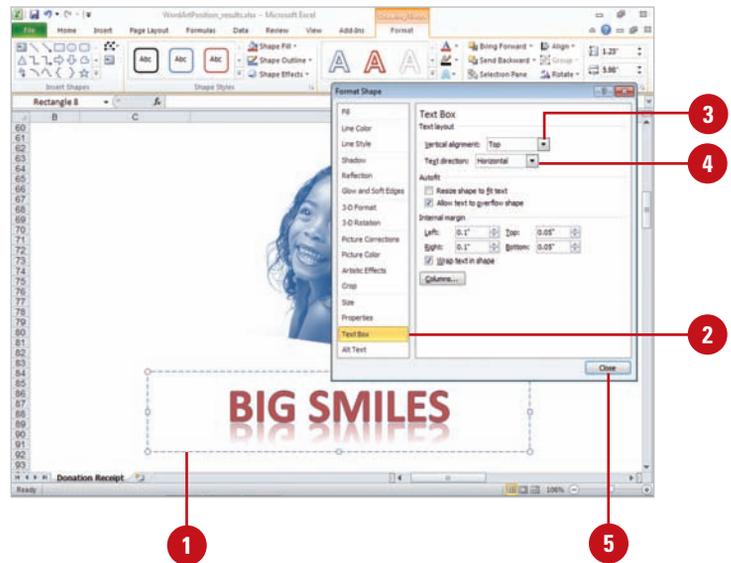
WordArt text effect

Modifying WordArt Text Position

Change WordArt Text Direction

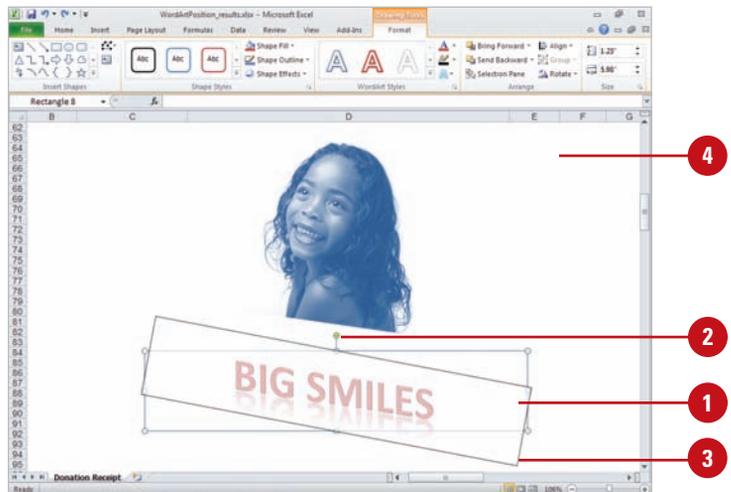
- 1 Right-click the WordArt object you want to change, and then click **Format Shape** or **Format WordArt**.
- 2 If necessary, click **Text Box** in the left pane.
- 3 Click the **Vertical alignment** or **Horizontal alignment** list arrow, and then select an option: Top, Middle, Bottom, Top Center, Middle Center, or Bottom Center.
- 4 Click the **Text Direction** list arrow, and then select an option: **Horizontal**, **Rotate all text 90°**, **Rotate all text 270°**, or **Stacked**.
- 5 Click **Close**.

You can apply a number of text effects to your WordArt objects that determine alignment and direction. The effects of some of the adjustments you make are more pronounced for certain WordArt styles than others. Some of these effects make the text unreadable for certain styles, so apply these effects carefully. You can apply effects to a shape by using the Format Shape dialog box for custom results. You can also use the free rotate handle (green circle) at the top of the selected text box to rotate your WordArt text.



Rotate WordArt Text

- 1 Click the WordArt object you want to change.
- 2 Drag the free rotate handle (green circle) to rotate the object in any direction you want.
- 3 When you're done, release the mouse button.
- 4 Click outside the object to deselect it.



Creating SmartArt Graphics

Create a SmartArt Graphic

- 1 Click the **Insert** tab.
- 2 Click the **SmartArt** button.

TIMESAVER In a PowerPoint content placeholder, you can click the SmartArt icon to start.

- 3 In the left pane, click a category, such as All, List, Process, Cycle, Hierarchy, Relationship, Matrix, or Pyramid.
- 4 In the middle pane, click a SmartArt graphic style type.
- 5 Click **OK**.

The SmartArt graphic appears in the document.

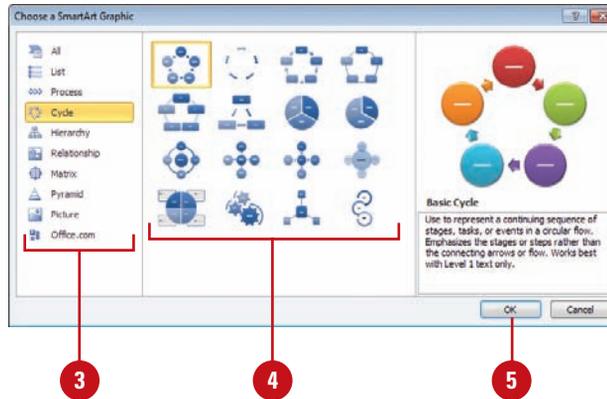
Did You Know?

You can change a SmartArt diagram type. Select the SmartArt graphic, click the Design tab under SmartArt Tools, click the More list arrow for Layouts, click More Layout, select a diagram type, and then click OK.

You cannot drag text into the Text pane. Although you can't drag text into the Text pane, you can copy and paste text.

You can create a blank SmartArt graphic. In the Text pane, press Ctrl+A to select all the placeholder text, and then press Delete.

SmartArt graphics allow you to create diagrams that convey processes or relationships. Office provides a wide variety of built-in SmartArt graphic types, including graphical lists, process, cycle, hierarchy, relationship, matrix, pyramid, picture (**New!**), and Office.com (**New!**). Using built-in SmartArt graphics makes it easy to create and modify charts without having to create them from scratch. To quickly see if you like a SmartArt graphic layout, point to a thumbnail in the gallery to display a live preview of it in the selected shape. If you like it, you can apply it.



SmartArt Graphic Purposes

Type	Purpose
List	Show non-sequential information
Process	Show steps in a process or timeline
Cycle	Show a continual process
Hierarchy	Show a decision tree or create an organization chart
Relationship	Illustrate connections
Matrix	Show how parts relate to a whole
Pyramid	Show proportional relationships up and down
Picture	Convert a picture to a SmartArt graphic (New!)
Office.com	Show SmartArt graphics from Office.com (New!)

6 Click the **Text Pane** button, or click the control with two arrows along the left side of the selection to show the Text pane.

7 Label the shapes by doing one of the following:

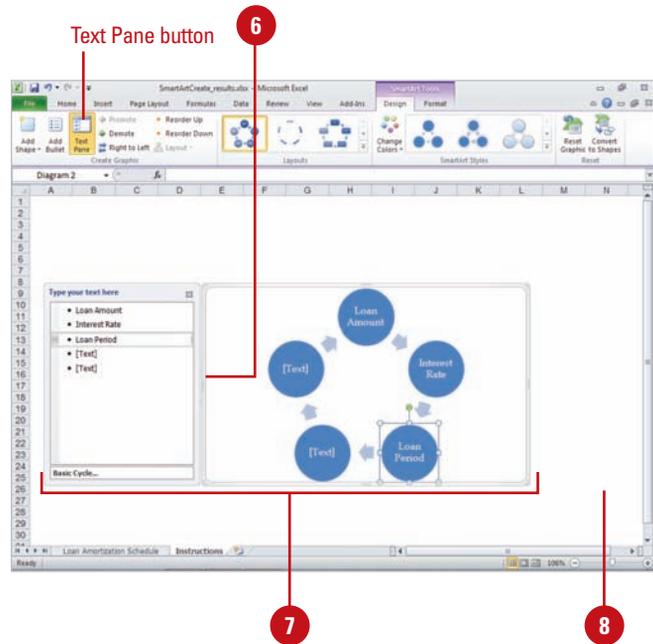
- ◆ Type text in the [Text] box.

You can use the arrow keys to move around the Text pane, or use the Promote or Demote buttons to indent.

- ◆ At the end of a line, press Enter to insert a line (shape), or select line text, and then press Delete to remove a line (shape).

- ◆ Click a shape, and then type text directly into the shape.

8 When you're done, click outside of the SmartArt graphic.



Convert Text to a SmartArt Graphic

1 In PowerPoint, select the text box with the text you want to convert to a SmartArt graphic.

2 Click the **Home** tab.

3 Click the **Convert to SmartArt Graphic** button.

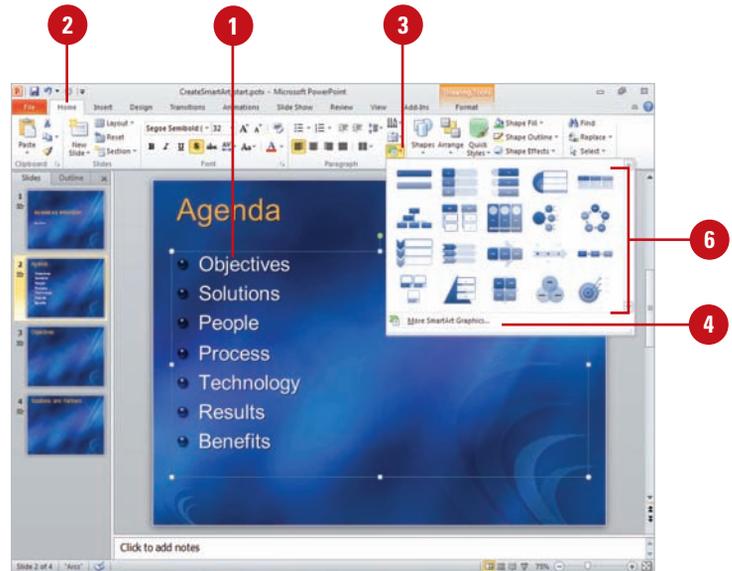
The gallery displays layouts designed for bulleted lists.

4 To view the entire list of layout, click **More SmartArt Graphics**.

5 Point to a layout.

A live preview of the style appears in the current shape.

6 Click the layout for the SmartArt graphic you want from the gallery to apply it to the selected shape.



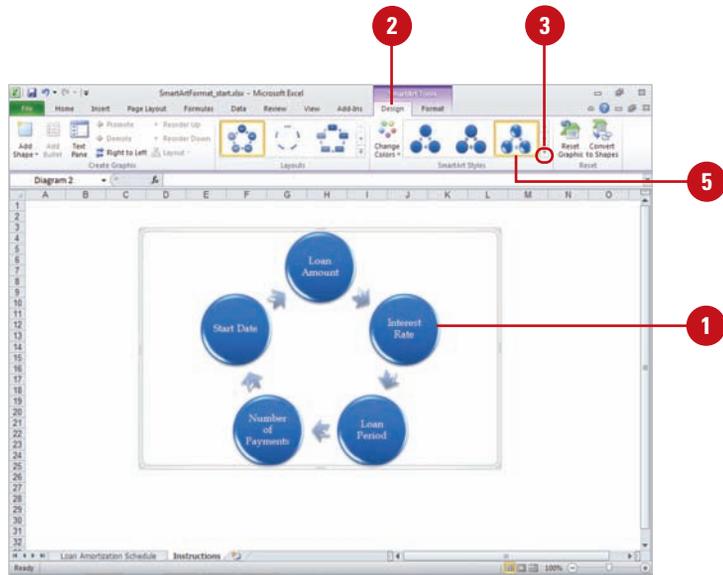
Formatting a SmartArt Graphic

Apply a Quick Style to a SmartArt Graphic

- 1 Click the SmartArt graphic you want to modify.
- 2 Click the **Design** tab under SmartArt Tools.
- 3 Click the scroll up or down arrow, or click the **More** list arrow in the Quick Styles group to see additional styles.
- 4 Point to a style.
- 5 Click the layout for the SmartArt graphic you want from the gallery.

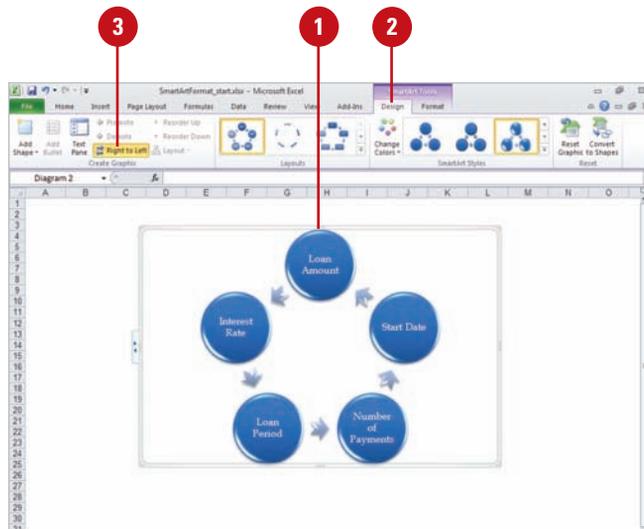
A live preview of the style appears in the current shape.

If your current SmartArt graphics don't quite convey the message or look you want, use live preview to quickly preview layouts in the Quick Styles and Layout Styles groups and select the one you want. If you only want to change the color, you can choose different color schemes using theme colors by using the Change Color button. If the flow of a SmartArt graphic is not the direction you want, you can change the orientation.



Change a Smart Graphic Orientation

- 1 Click the SmartArt graphic you want to modify.
 - 2 Click the **Design** tab under SmartArt Tools.
 - 3 Click the **Right to Left** button.
- The button toggles, so you can click it again to switch back.



Change a SmartArt Graphic Layout

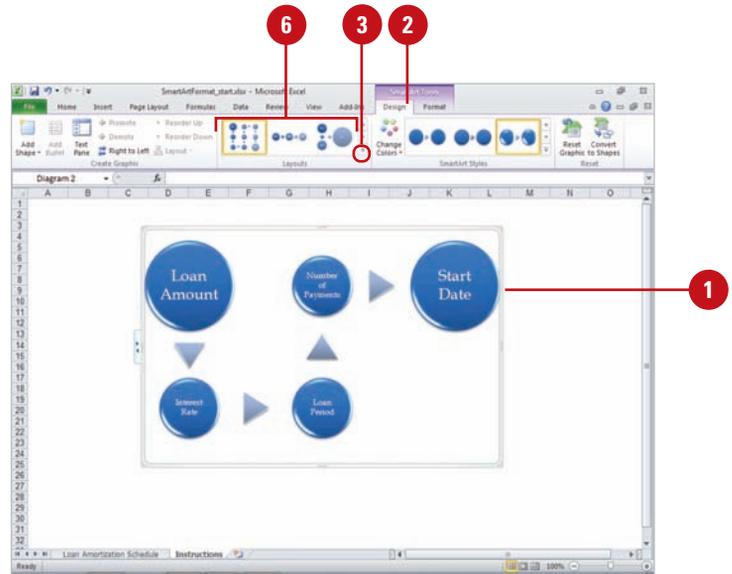
- 1 Click the SmartArt graphic you want to modify.
- 2 Click the **Design** tab under SmartArt Tools.
- 3 Click the scroll up or down arrow, or click the **More** list arrow in the Layout Styles group to see additional styles.

The gallery displays layouts designed for bulleted lists.

- 4 To view the entire list of diagram layouts, click **More Layouts**.
- 5 Point to a layout.

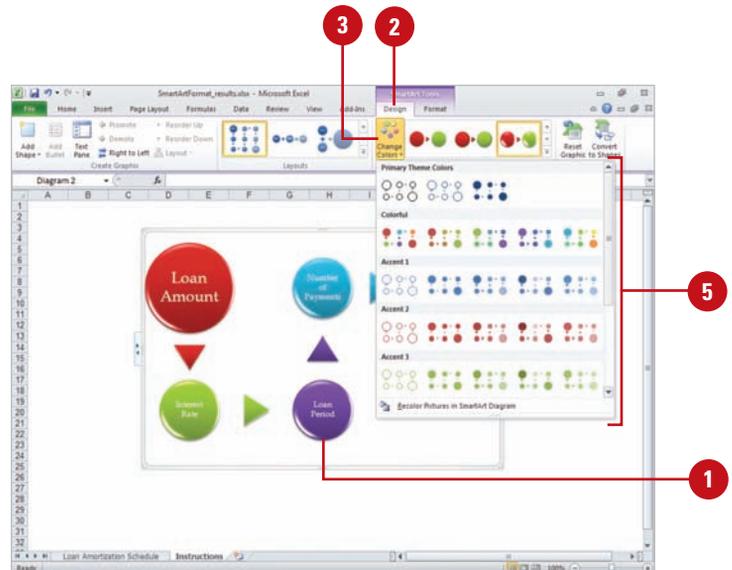
A live preview of the style appears in the current shape.

- 6 Click the layout for the SmartArt graphic you want from the gallery.
- 7 If you opened the entire list of layouts, click **OK**.



Change a SmartArt Graphic Colors

- 1 Click the SmartArt graphic you want to modify.
 - 2 Click the **Design** tab under SmartArt Tools.
 - 3 Click the **Change Colors** button.
- The gallery displays the current layout with different theme colors.
- 4 Point to a style.
- A live preview of the style appears in the current shape.
- 5 Click the layout for the SmartArt graphic you want from the gallery.

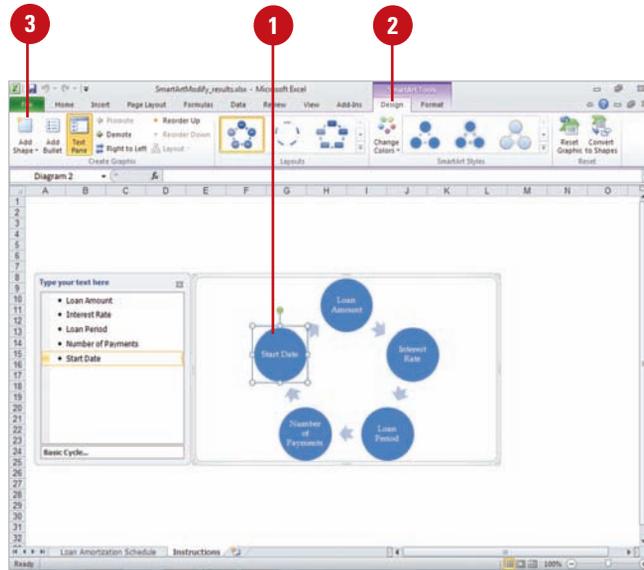


Modifying a SmartArt Graphic

Add a Shape to a SmartArt Graphic

- 1 Select the shape in the SmartArt graphic you want to modify.
- 2 Click the **Design** tab under SmartArt Tools.
- 3 Click the **Add Shape** button to insert a shape at the end, or click the **Add Shape** button arrow, and then select the position where you want to insert a shape.

After you create a SmartArt graphic, you can add, remove, change, or rearrange shapes to create a custom look. For shapes within a SmartArt graphic, you can change the shape from the Shape gallery or use familiar commands, such as Bring to Front, Send to Back, Align, Group, and Rotate, to create your own custom SmartArt graphic. If you no longer want a shape you've added, simply select it, and then press Delete to remove it.

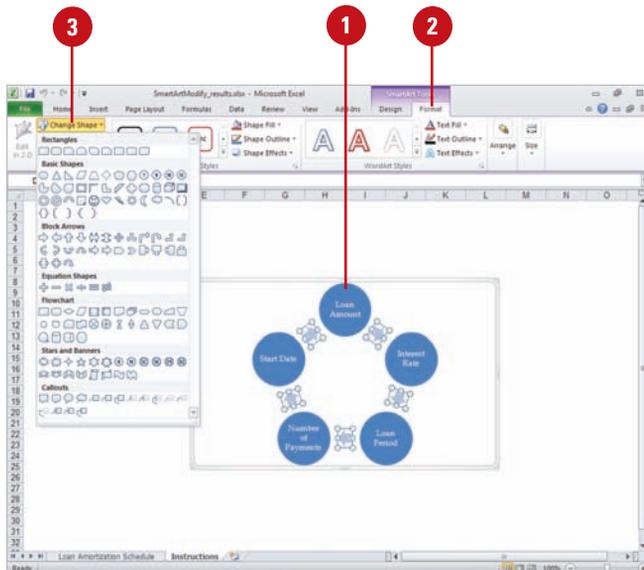


Change Shapes in a SmartArt Graphic

- 1 Select the shapes in the SmartArt graphic you want to modify.
- 2 Click the **Format** tab under SmartArt Tools.
- 3 Click the **Change Shape** button, and then click a shape.

Did You Know?

You can reset a SmartArt graphic back to its original state. Select the SmartArt graphic, click the Design tab under SmartArt Tools, and then click the Reset Graphic button.

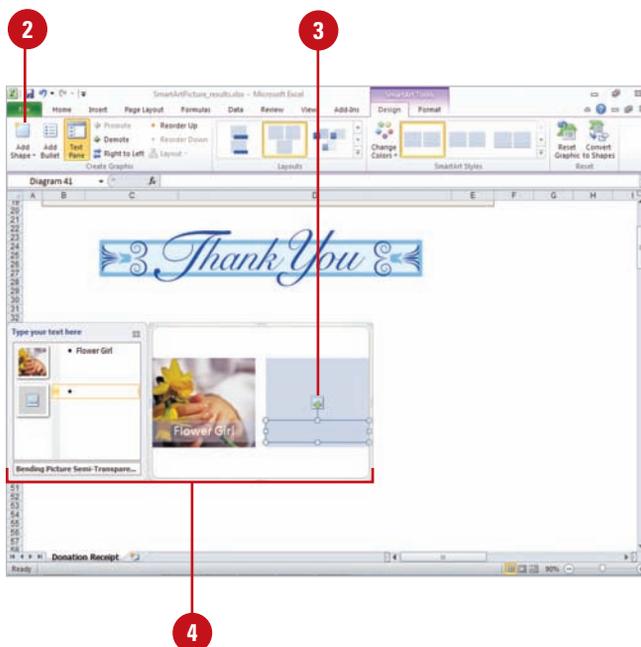
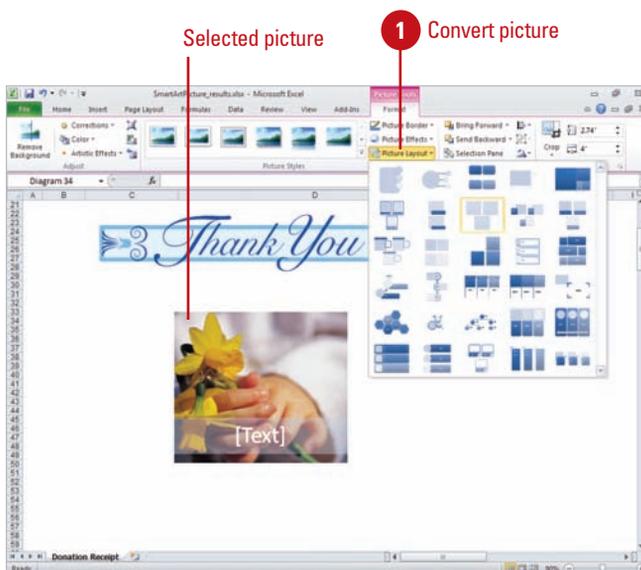


Adding Pictures to a SmartArt Graphic

Add a SmartArt Graphic to a Picture

- 1 Use either of the following to add pictures to a SmartArt graphic:
 - ◆ **Create New.** Click the **Insert** tab, click the **SmartArt** button, click **Picture**, click a layout, and then click **OK**.
 - ◆ **Convert Picture.** Select a picture, click the **Format** tab under Picture Tools, click the **Picture Layout** button, and then select a layout.
- 2 To add a shape, click the **Design** tab under SmartArt Tools, click the **Add Shape** button arrow, and then select the type of shape you want to add.
- 3 To add a picture, double-click a graphic placeholder, select a picture file, and then click **Insert**.
- 4 Label the shapes by doing one of the following:
 - ◆ Type text in the [Text] box.
 - ◆ Click a shape, and then type text directly into the shape.

With SmartArt graphic layouts (**New!**), you can insert pictures in the SmartArt shapes. In addition to the pictures, you can also add descriptive text using the Text pane or shape itself. The process is very simple. Insert a SmartArt picture layout, insert pictures, and then add descriptive text. If you already have pictures in your document, you can convert them to a SmartArt graphic.

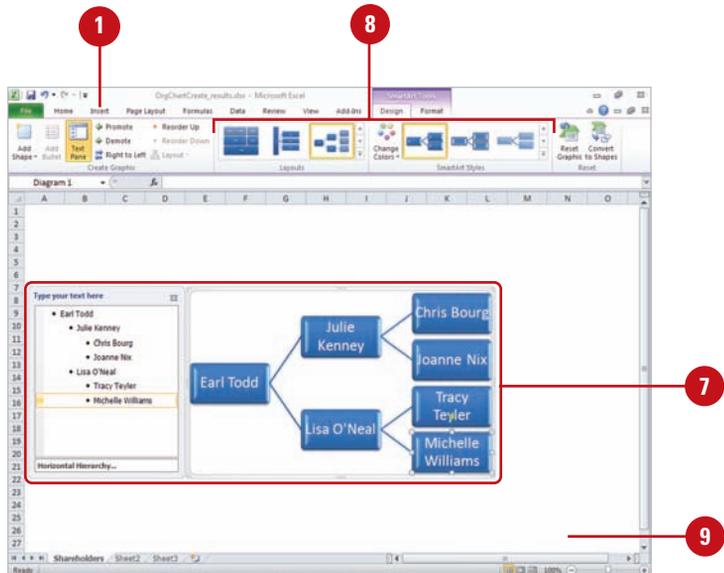
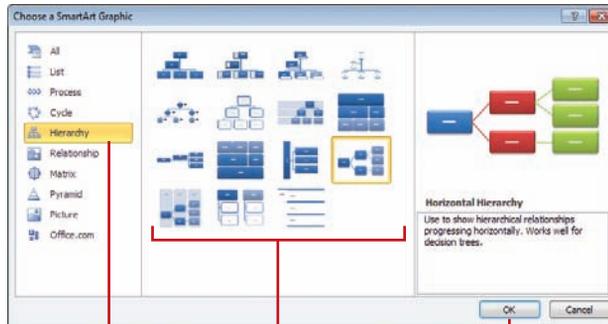


Creating an Organization Chart

Create an Organization Chart Using a SmartArt Graphic

- 1 Click the **Insert** tab.
 - 2 Click the **SmartArt** button.
 - 3 In the left pane, click **Hierarchy**.
 - 4 Click an organization chart type.
 - 5 Click **OK**.
 - 6 Label the shapes by doing one of the following:
 - ◆ Type text in the [Text] box.
 - ◆ Click a shape, and then type text directly into the shape.
 - 7 To add shapes from the Text pane, place the insertion point at the beginning of the text where you want to add a shape, type the text you want, press Enter, and then to indent the new shape, press Tab or to promote, press Shift+Tab.
- You can also click the Add Shape button arrow on the Design tab under SmartArt Tools, and then select the type of shape you want to add.
- 8 To change the layout or style, click the **Design** tab under SmartArt Tools, click the scroll up or down arrow, or click the **More** list arrow in the Layouts group or Quick Styles group, and then select a layout or style.
 - 9 When you're done, click outside of the SmartArt graphic.

An organization chart shows the reporting relationships between individuals in an organization. For example, you can show the relationship between a manager and employees within a company. You can create an organization chart using a SmartArt graphic or using Microsoft Organization Chart. A SmartArt graphic organization chart makes it easy to add shapes using the graphic portion or the Text pane. Like any SmartArt graphic, you can add special effects—such as soft edges, glows, or 3-D effects, and animation—to an organization chart.

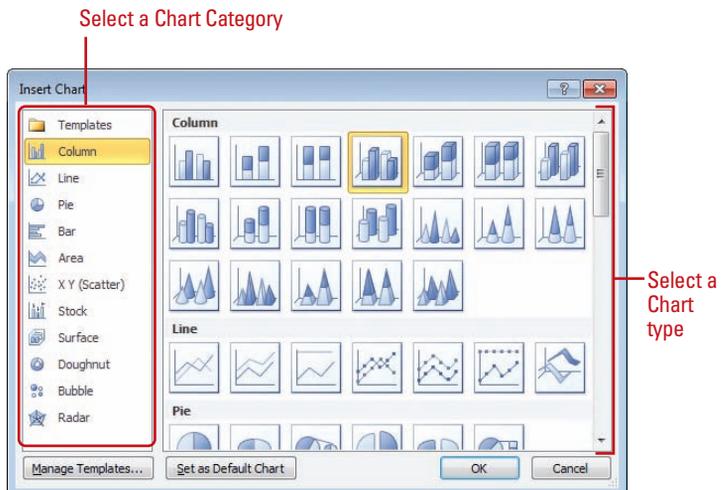
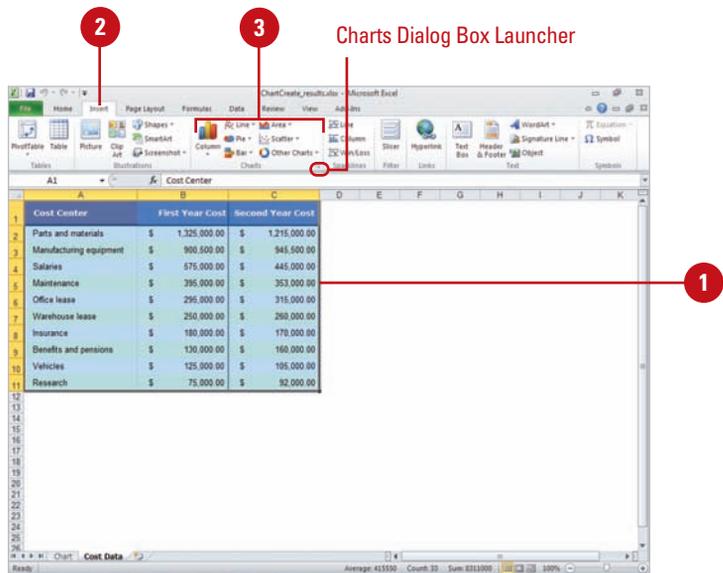


Inserting and Creating a Chart

Insert and Create a Chart

- 1 Select the data you want to use to create a chart.
- 2 Click the **Insert** tab.
- 3 Use one of the following methods:
 - ◆ **Basic Chart Types.** Click a chart button (Column, Line, Pie, Bar, Area, Scatter, Other Charts) in the Charts group, and then click the chart type you want.
 - ◆ **All Chart Types.** Click the **Charts Dialog Box Launcher**, click a category in the left pane, click a chart, and then click **OK**.
- 4 To change the chart type, click the **Change Chart Type** button on the Design tab under Chart Tools.

A **chart** provides a visual, graphical representation of numerical data. Charts add visual interest and useful information represented by lines, bars, pie slices, or other markers. A group of data values from a worksheet row or column of data makes up a **data series**. Each data series has a unique color or pattern on the chart. Titles on the chart, horizontal (x-axis), and vertical (y-axis) identify the data. Gridlines are horizontal and vertical lines to help the reader determine data values in a chart. When you choose to place the chart on an existing sheet, rather than on a new sheet, the chart is called an **embedded object**. You can then resize or move it just as you would any graphic object. Start by choosing the chart type that is best suited for presenting your data. There are a wide variety of chart types, 2-D and 3-D formats, from which to choose.



Did You Know?

Office uses Excel to embed a chart.

Office programs now use Microsoft Excel to embed and display a chart.

You can reset chart formatting. Click the chart you want to reset, click the Format tab under Chart Tools, and then click the Reset to Match Style button.

You can delete a chart. Click the chart object, and then press Delete.

Changing a Chart Layout and Style

Change a Chart Layout or Style

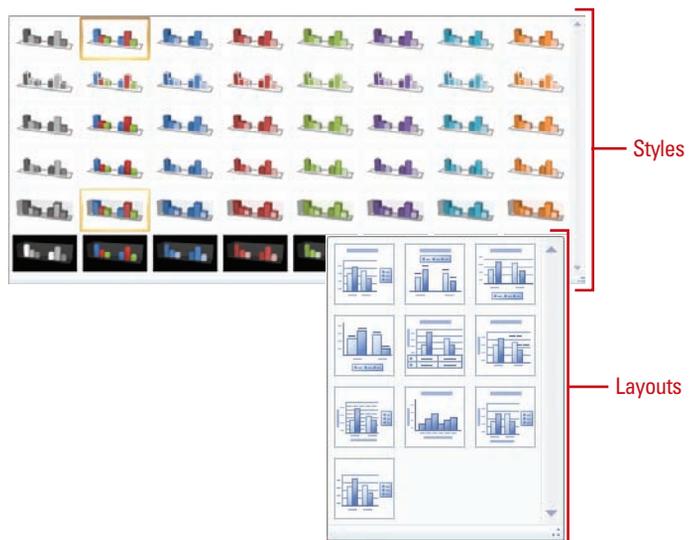
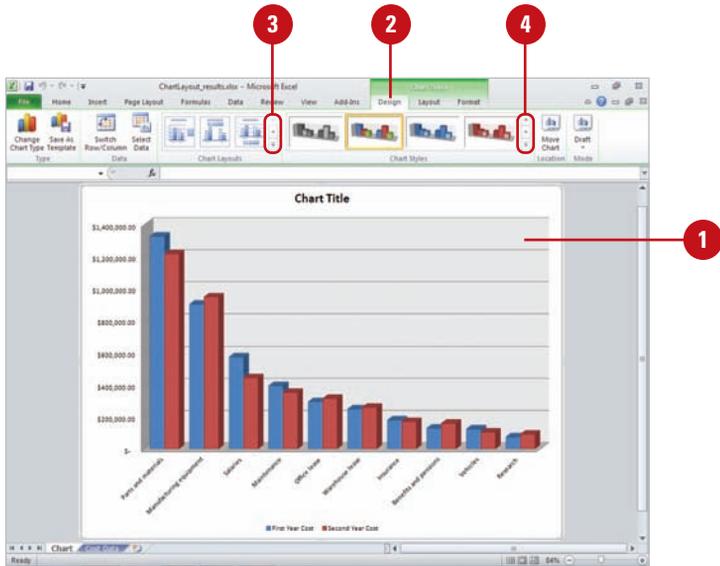
- 1 Select the chart you want to change.
- 2 Click the **Design** tab under Chart Tools.
- 3 To change the chart layout, click the scroll up or down arrow, or click the **More** list arrow in the Chart Layouts group, and then click the layout you want.
- 4 To change the chart style, click the scroll up or down arrow, or click the **More** list arrow in the Chart Styles group, and then click the chart style you want.

Did You Know?

You can quickly access chart formatting options. Double-click a chart element to open a formatting dialog box (**New!**).

You can record macros with chart elements. When you use the macro recorder with charts, it now records formatting changes to charts and other objects (**New!**).

Office's pre-built chart layouts and styles can make your chart more appealing and visually informative. Start by choosing the chart type that is best suited for presenting your data. There are a wide variety of chart types, available in 2-D and 3-D formats, from which to choose. For each chart type, you can select a predefined chart layout and style to apply the formatting you want. If you want to format your chart beyond the provided formats, you can customize a chart. Save your customized settings so that you can apply that chart formatting to any chart you create.



Changing Chart Labels

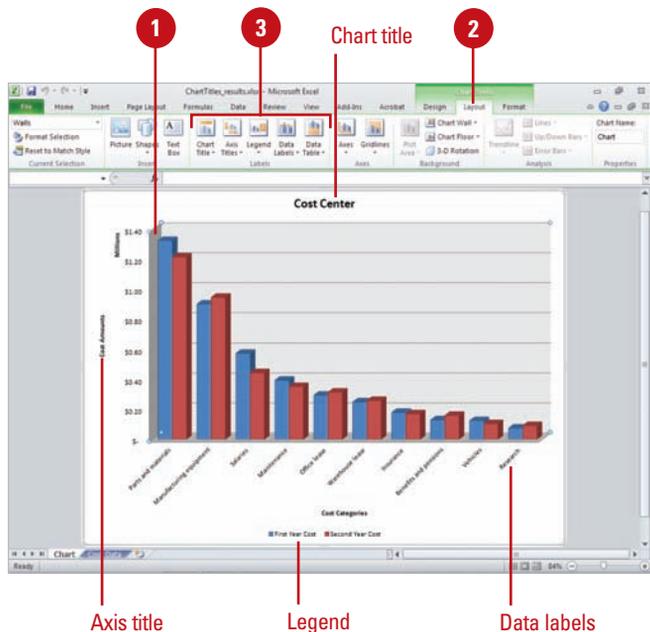
Change the Chart Labels

- 1 Select the chart you want to modify.
- 2 Click the **Layout** tab under Chart Tools.
- 3 Click any of the following in the Labels section of the Ribbon:
 - ◆ **Chart Title** to display or position the main chart title. Double-click the text box to modify text.
 - ◆ **Axis Titles** to display the horizontal and vertical axis titles.
 - ◆ **Legend** to display or position the chart legend.
 - ◆ **Data Labels** to show or hide data labels.
 - ◆ **Data Table** to show or hide a data table along with the chart.

Did You Know?

You can link a chart or axis title to a worksheet cell. On the chart, click the chart or axis title you want to link, click in the formula bar, type equal sign (=), select the worksheet cell that contains the data or text you want to display in the chart, and then press Enter.

The layout of a chart typically comes with a chart title, axis titles, and a legend. However, you can also include other elements, such as data labels, and a data table. A **legend** is a set of text labels that helps the reader connect the colors and patterns in a chart with the data they represent. Legend text is derived from the data series plotted within a chart. You can rename an item within a legend by changing the text in the data series. If the legend chart location doesn't work with the chart type, you can reposition the legend at the right, left, top or bottom of the chart or overlay the legend on top of the chart on the right or left side. **Data labels** show data values in the chart to make it easier for the reader to see, while a Data table shows the data values in an associated table next to the chart. If you want a customized look, you can set individual options using the Format dialog box.



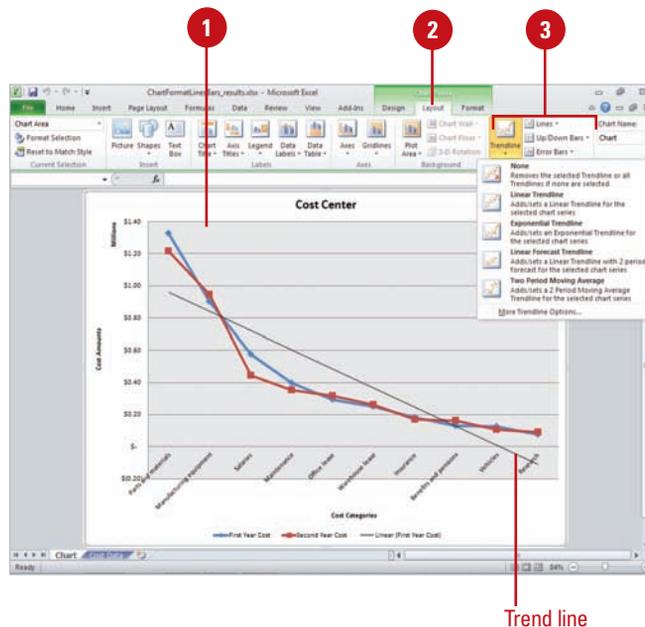
Formatting Line and Bar Charts

Format Line and Bar Charts

- 1 Select the line or bar chart you want to modify.
- 2 Click the **Layout** tab under Chart Tools.
- 3 In the Analysis group, click any of the following:

- ◆ **Trendline** to remove or add different types of trendlines: Linear, Exponential, Linear Forecast, and Two Period Moving Average.
- ◆ **Lines** to hide Drop Lines, High-Low Lines or Series Lines, or show series lines on a 2-D stacked Bar/Column Pie or Pie or Bar of Pie chart.
- ◆ **Up/Down Bars** to hide Up/Down Bars, or show Up/Down Bars on a line chart.
- ◆ **Error Bars** to hide error bars or show error bars with using Standard Error, Percentage, or Standard Deviation.

If you're using a line or bar chart, you can add trendlines, series lines, drop lines, high-low lines, up/down bars, or error bars with different options to make the chart easier to read. **Trendlines** are graphical representations of trends in data that you can use to analyze problems of prediction. For example, you can add a trendline to forecast a trend toward rising revenue. **Series lines** connect data series in 2-D stacked bar and column charts. **Drop lines** extend a data point to a category in a line or area chart, which makes it easy to see where data markers begin and end. **High-low lines** display the highest to the lowest value in each category in 2-D charts. Stock charts are examples of high-low lines and up/down bars. **Error bars** show potential error amounts graphically relative to each data marker in a data series. Error bars are usually used in statistical or scientific data.

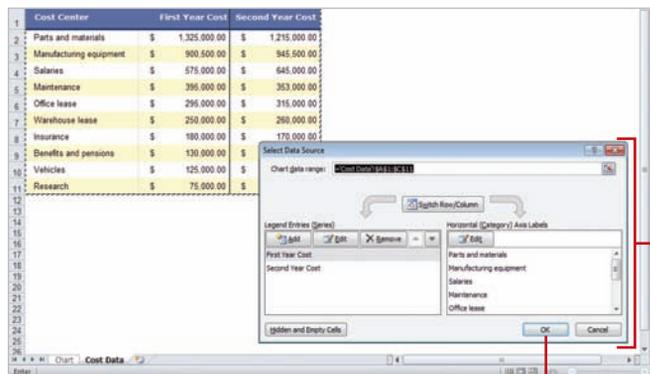


Editing Chart Data

You can edit chart data in a worksheet one cell at a time, or you can manipulate a range of data. If you're not sure what data to change to get the results you want, use the Edit Data Source dialog box to help you. In previous versions, you were limited to 32,000 data points in a data series for 2-D charts. Now you can have as much as your memory to store (**New!**). You can work with data ranges by series, either Legend or Horizontal. The Legend series is the data range displayed on the axis with the legend, while the Horizontal series is the data range displayed on the other axis. Use the Collapse Dialog button to temporarily minimize the dialog to select the data range you want. After you select your data, click the Expand Dialog button to return back to the dialog box.

Edit the Data Source

- 1 Click the chart you want to modify.
- 2 Click the **Design** tab under Chart Tools.
- 3 Click the **Select Data** button on the Design tab under Chart Tools.
- 4 In the Select Data Source dialog box, use any of the following:
 - ◆ **Chart data range.** Displays the data range of the plotted chart.
 - ◆ **Switch Row/Column.** Click to switch plotting the data series from rows or columns.
 - ◆ **Add.** Click to add a new Legend data series to the chart.
 - ◆ **Edit.** Click to make changes to a Legend or Horizontal series.
 - ◆ **Remove.** Click to remove the selected Legend data series.
 - ◆ **Move Up and Move Down.** Click to move a Legend data series up or down in the list.
 - ◆ **Hidden and Empty Cells.** Click to plot hidden data and determine what to do with empty cells.
- 5 Click **OK**.



Saving a Chart Template

Create a Custom Chart Template

- 1 Click the chart you want to save as a template.
- 2 Click the **Design** tab under Chart Tools.
- 3 Click the **Save As Template** button.
- 4 Make sure the Charts folder appears in the Save in box.

Microsoft Office templates are typically stored in the following location:

Windows 7 or Vista. C:/Users/*your name*/AppData/Microsoft/Roaming/Templates/Charts

Windows XP. C:/Documents and Settings/*your name*/Application Data/Microsoft/Templates/Charts

- 5 Type a name for the chart template.
- 6 Click **Save**.

A chart template file (.crtx) saves all the customization you made to a chart for use in other documents. You can save any chart in a document as a chart template file and use it to form the basis of your next document chart, which is useful for standard company financial reporting. Although you can store your template anywhere you want, you may find it handy to store it in the Templates/Charts folder that Microsoft Office uses to store its templates. If you store your design templates in the Templates/Charts folder, those templates appear as options when you insert or change a chart type using My Templates. When you create a new chart or want to change the chart type of an existing chart, you can apply a chart template instead of re-creating it.

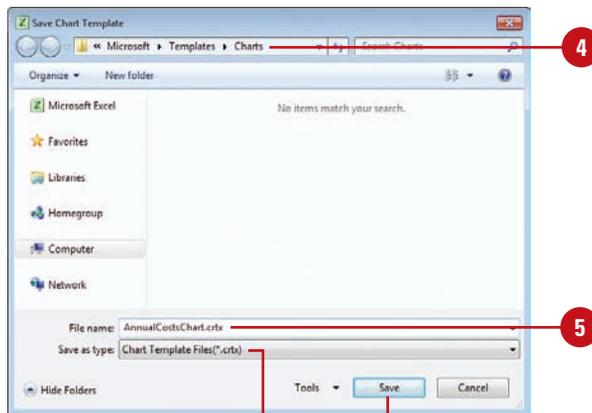
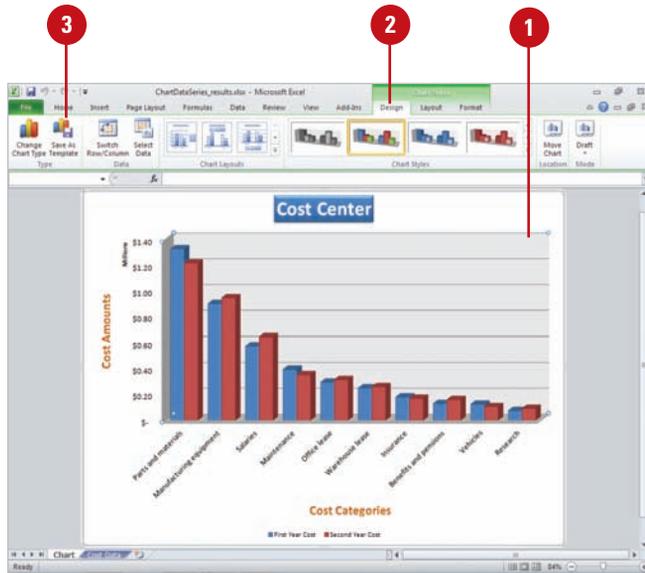


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