Recipes4Success®

In this Recipe, you will learn the basics of using Pixie 4 as you explore number facts through skip counting, the commutative property of addition, and multiplication word problems.

Contents

Introduction

Start Pixie.

You will see a blank page.
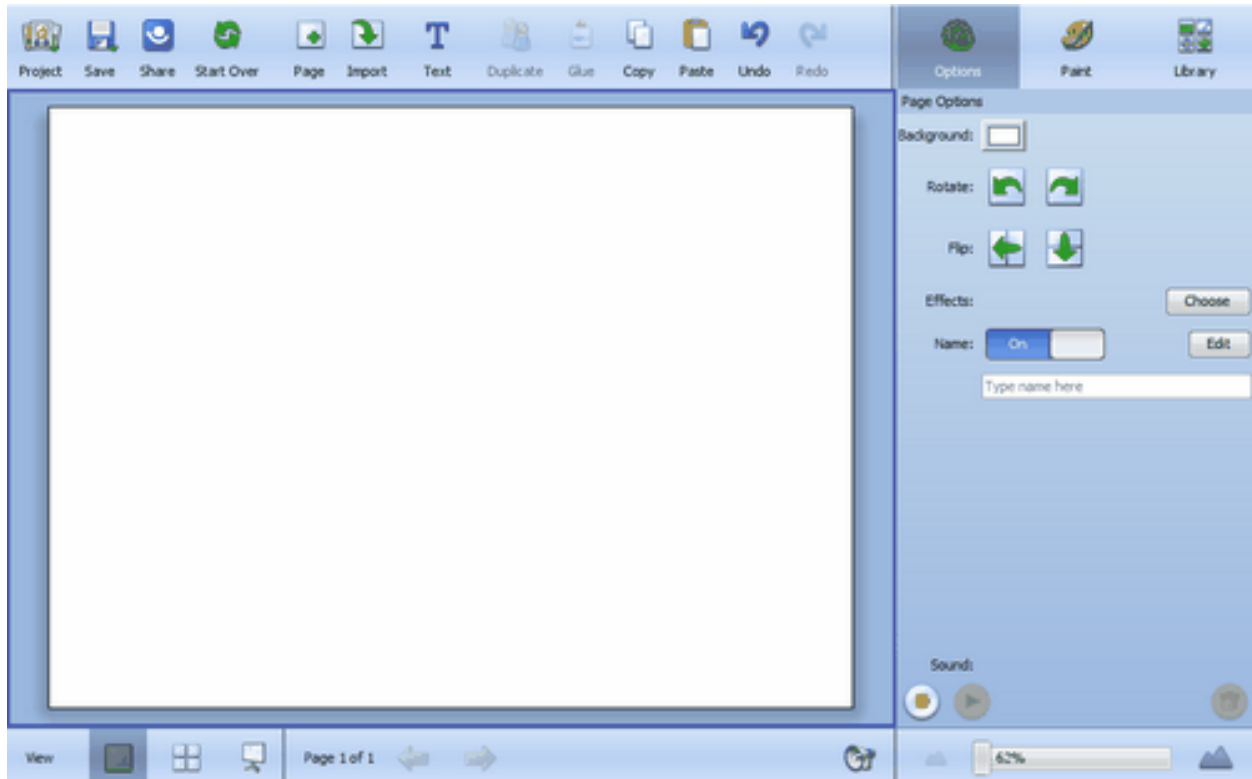
You can use Activities to learn about common classroom topics.
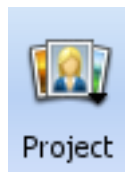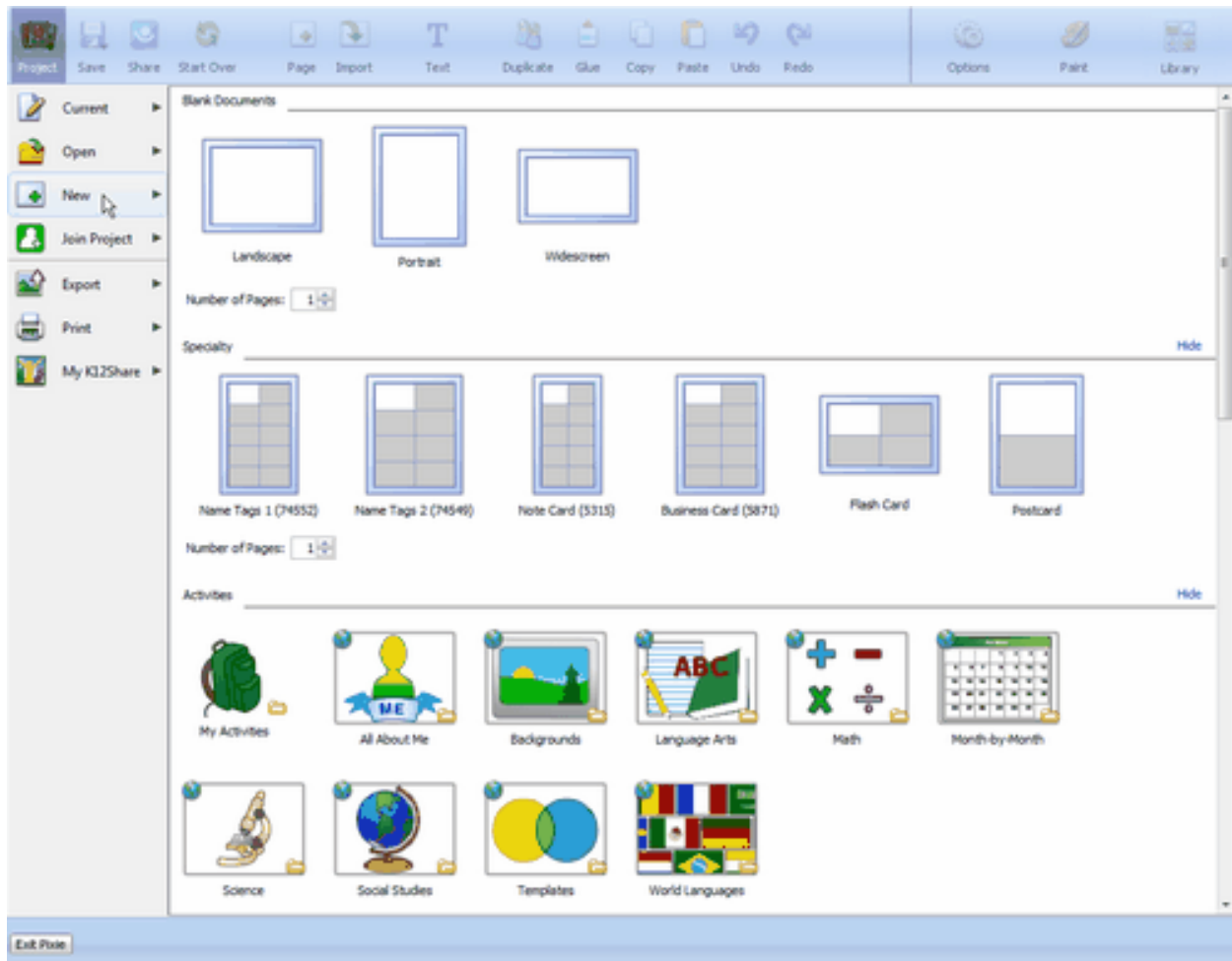
Click the Project button on the toolbar.

Click the New option in the list on the left.

You will see the Activities folders at the bottom of the pane.

Click the Math folder to open it.
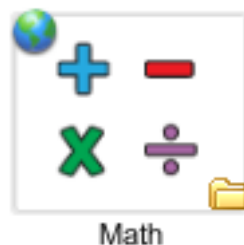
You will see the Math folders.

Click the Numbers and Operations folder.

Numbers and...

Click the Numbers folder.

Numbers

Click the Skip Count Dot-to-Dot activity.

Skip Count Dot-to-Dot
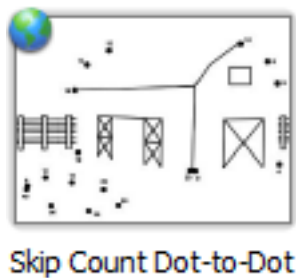
The Skip Count Dot-to-Dot activity will open.

Use the Shape Tool

You can use the Shape tool to draw straight lines to complete the barn.

Click the Paint button on the toolbar.

Paint

You will see the paint tools in the panel.

Click the **Shape** tool on the Paint panel.

Click the line.
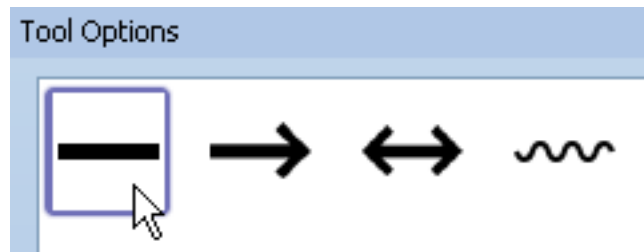
Click and drag the **Width** slider to the right, so that the line is about as thick as the fence lines. You can see a preview to the right of the slider.

The color on the palette is already set to black.
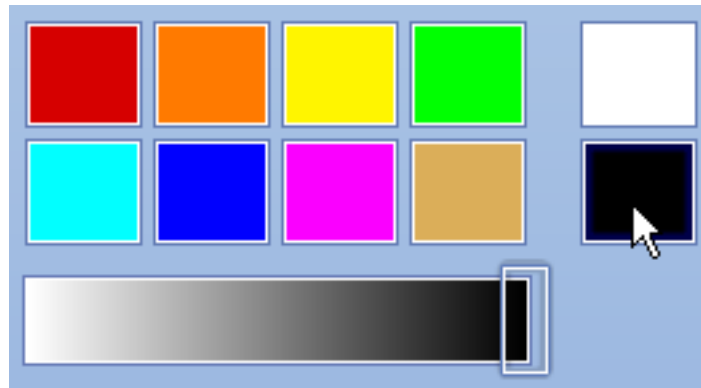
Move over the dot for the number 2.

Click and drag to the dot for number 4.

Let go. You will see the line.
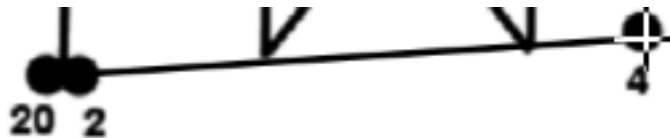
Click the dot for the number 4 and drag to the dot for number 6.

Let go. You will see the line.

Click the Undo button on the toolbar to try again.

Continue skip counting and drawing lines to complete the barn.
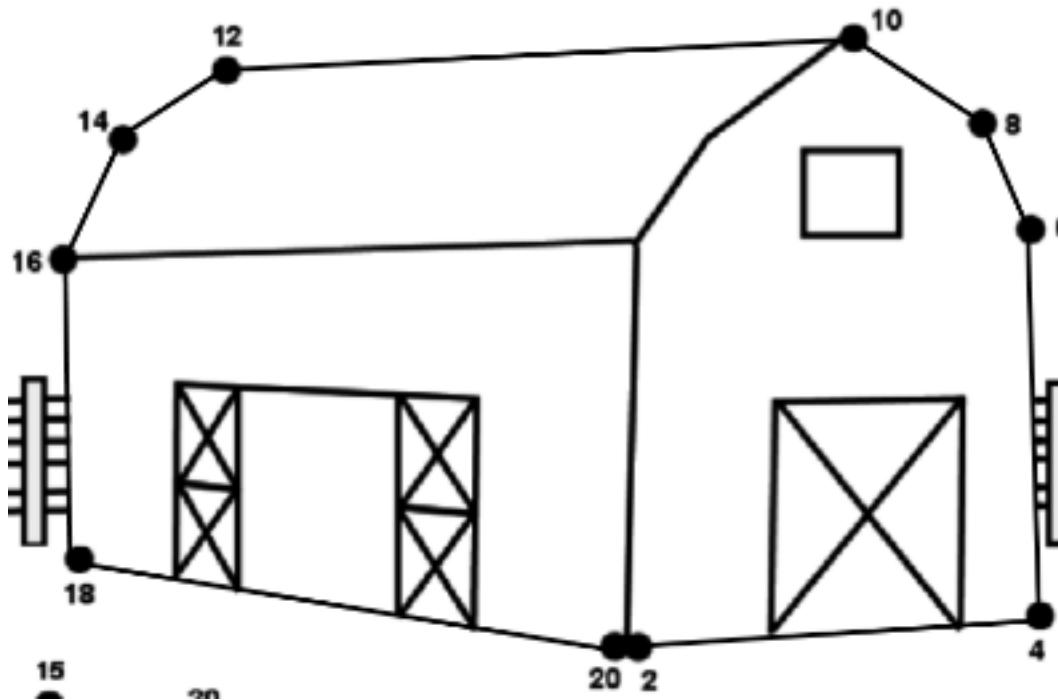
Use the Paint Brush Tool

You can use the Paint Brush tool to complete the mud hole since it doesn't need straight lines.

Click the **Paint Brush** tool on the Paint panel.

Click and drag the **Size** slider so that the brush is about the same width as one of the dots around the mud hole.

Move the pointer over the number 5. Click and drag the pointer through all of the numbers, counting by fives to complete the mud hole.
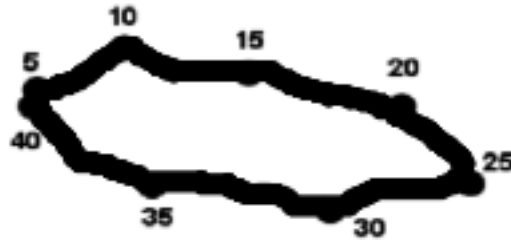
Use the Paint Bucket Tool

You can use the Paint Bucket tool to fill an area with color.

Click the **Paint Bucket** tool on the Paint panel.

The color is already set to black.
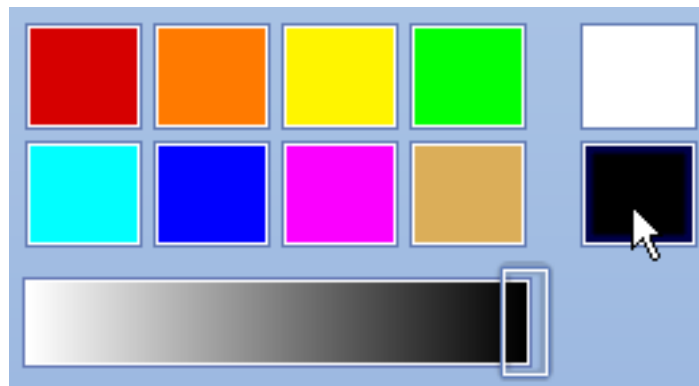
Move your pointer over the middle of the barn roof.
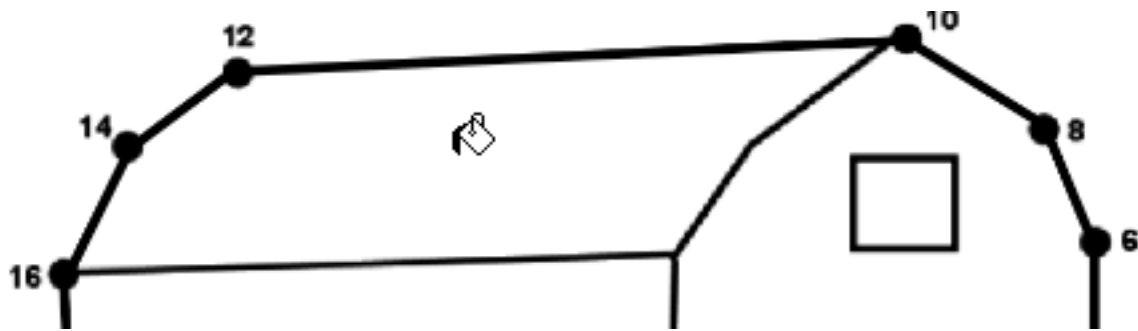
Click or tap.

The roof will fill with black.

Click red on the color palette.

Click and drag the slider below the palette to choose the shade of red you want to use.
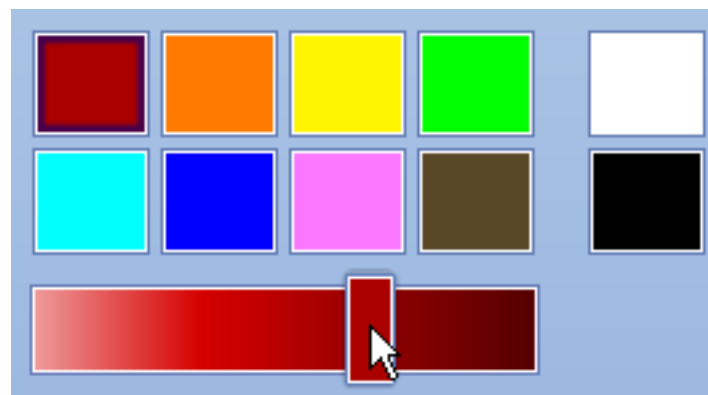
Move the pointer over the front of the barn.

Click or tap.

The barn will fill with red.

Choose different colors on the color palette and fill the grass, fence, mud hole, sky, and doors.

Add Stickers to a Page

You can add clip art to your page.

Click the Library button on the toolbar.
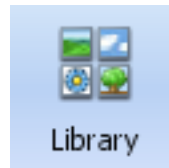
You will see images of Farm Animals.

Click and drag the scroll bar to find a picture you want to add to the page.

Click and drag the sticker on to the page.

Cow

Resize a Sticker

You can resize a sticker.

Move the pointer over one of the handles on the corner of the sticker.

You will see the pointer change to two arrows.

Click and drag to resize the sticker.

Drag toward the middle of the sticker to make it smaller.

Drag away from the sticker to make it larger.

Move a Sticker

You can move a sticker to a new place on the page.

Move the pointer over the sticker.

You will see the pointer change to four arrows.
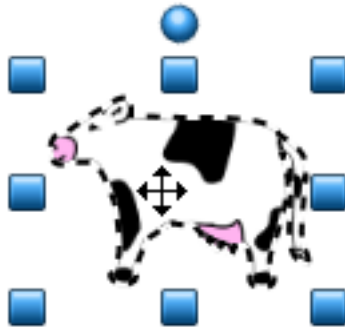
Click and drag to move the sticker to a new place on the page.

Release the mouse button.

Practice by adding other stickers from the Farm Animals folder in the Stickers panel.

Save

You can save this Pixie file.

Click the Save button on the toolbar.

You will see the save dialog.

You will see "Skip Count Dot-to-Dot" as the name for the file.

Type: Math Portfolio

This will replace the file name.

Choose a place to save the file and click the **Save** button.

Add a New Page

Click the Page button on the toolbar.
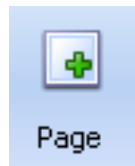
You will see a new blank page.

Search for a Sticker

You can also search for images in the library.

Click the Search field at the bottom of the Stickers panel.

For this search, type an animal.

Click the magnifying glass on the right side of the field.

You will see photos and clip art images that match this search.

Find an image you want to use.

Click and drag it to the top left corner of the page.

Rabbit

Duplicate a Sticker

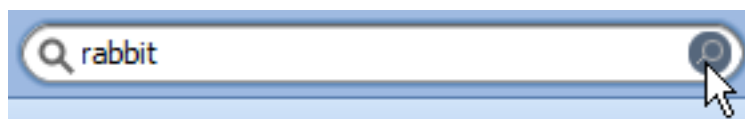You can duplicate a sticker. You will use the duplicate option to add four images across the top of the page.

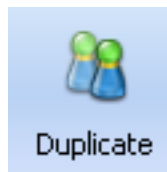The sticker is still selected and you will see handles around it.

Click the Duplicate button on the toolbar.
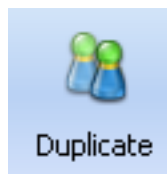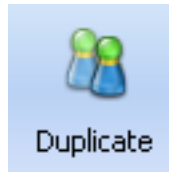

Move the pointer over the middle of the image.

Click and drag the new copy to the right of the first image.

Click the **Duplicate** button again.

Click and drag the new copy to the right of the second image.

Click the **Duplicate** button again.

Click and drag the new copy to the right of the third image.

You will now have four images across the top of the page.

Add a Text Object

You can add text to a page.

Click the Text button on the toolbar.
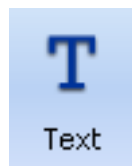
You will see a text object in the middle of the page.

Type number sentences that describe what you see in your images.

For example: There are four rabbits. Each rabbit has two ears. There are eight ears in all. 4x2=8

You will see the text in the text object.

There are four rabbits. Each rabbit has two ears. There are eight ears in all. 4x2=8

Move the pointer over one of the handles. It will change to two arrows.

Click and drag to make the text box stretch from one side of the page to another. You can drag more than one handle to change the size.
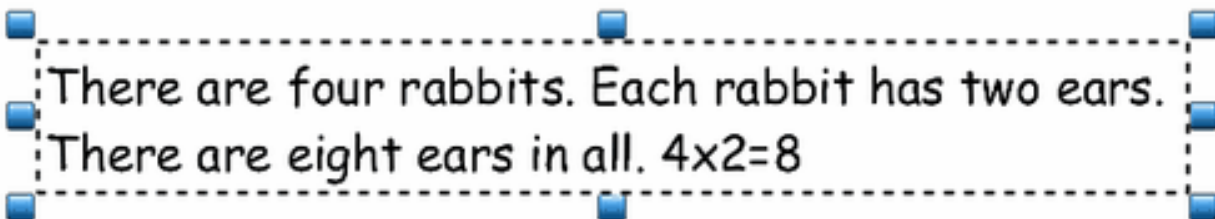
If you make the text box larger, the size of the text will scale to fit the new size and shape of the box.

Click the page outside of the text object.

Format a Text Object

You can change how the text in the text object looks.

Click the text object one time. You will not see a blinking cursor.

Click the Options button on the toolbar.
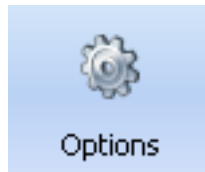
You will see the Text Options panel.

Click the **Center** button in the Alignment area.
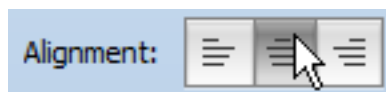
You will see the text change.

Move the pointer over the middle of the text object.

The pointer will change to four arrows.

✛

Click and drag to move the text object to a new place on the page.

Save

Click the Save button on the toolbar.

Click the Page button on the toolbar.
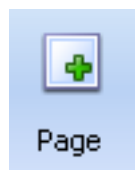
You will see a new blank page.

Use the Spray Tool

You can use the Spray tool to paint a line of pictures.

Click the Paint button on the toolbar.
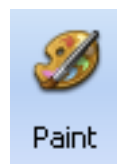
Click the **Spray** tool.
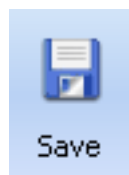

You will see options for the Spray tool in the Paint panel.

Use the pull-down menu at the top to choose Animals if another category is showing.
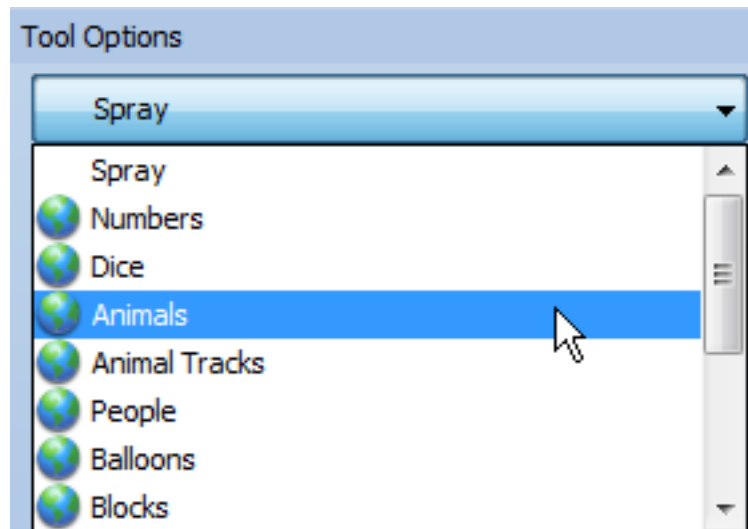
Click and drag the scroll bar until you see the lady bug.

Click the lady bug to select it.

Ladybug

Click and drag the **Size** slider so that you can see three shapes on one line.
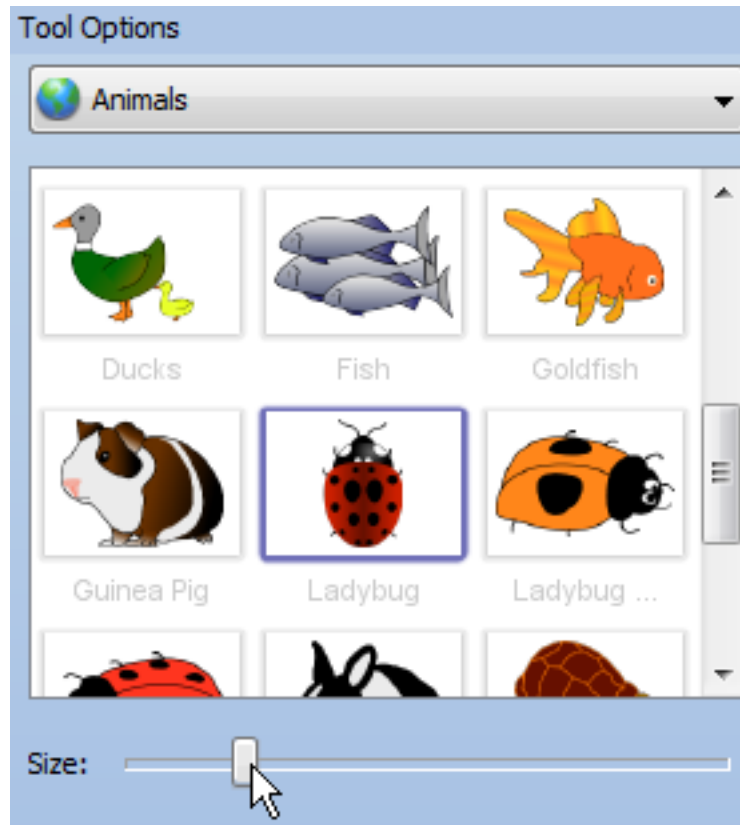
Move the pointer near the bottom left corner of the page.

Click and drag from the left to the right to spray (or roll) 8 ladybugs across the page.

Select an Area of the Page

You can use the Selection tool to select an area of the page.

Click the **Selection** tool on the Paint panel.

You will see the selection options in the Paint panel.

Choose the Rectangle selection option.

Move the pointer over the page.

It will change to a crosshair.

Move the pointer to the bottom left corner of the page.

Click and drag diagonally up and across the ladybugs to the right side of the page so that all of the ladybugs are selected.

Let go.

You will see handles around the selection.

Click the Duplicate button on the toolbar.

You will see a copy of the line of ladybugs.

Move the pointer over the middle of the selected area.

The pointer will change to four arrows.

Pixie 4

Click and drag the row of ladybugs to the middle of the page.

Use the skills you have learned to duplicate this selection again to add a third row of ladybugs to the top of the page.
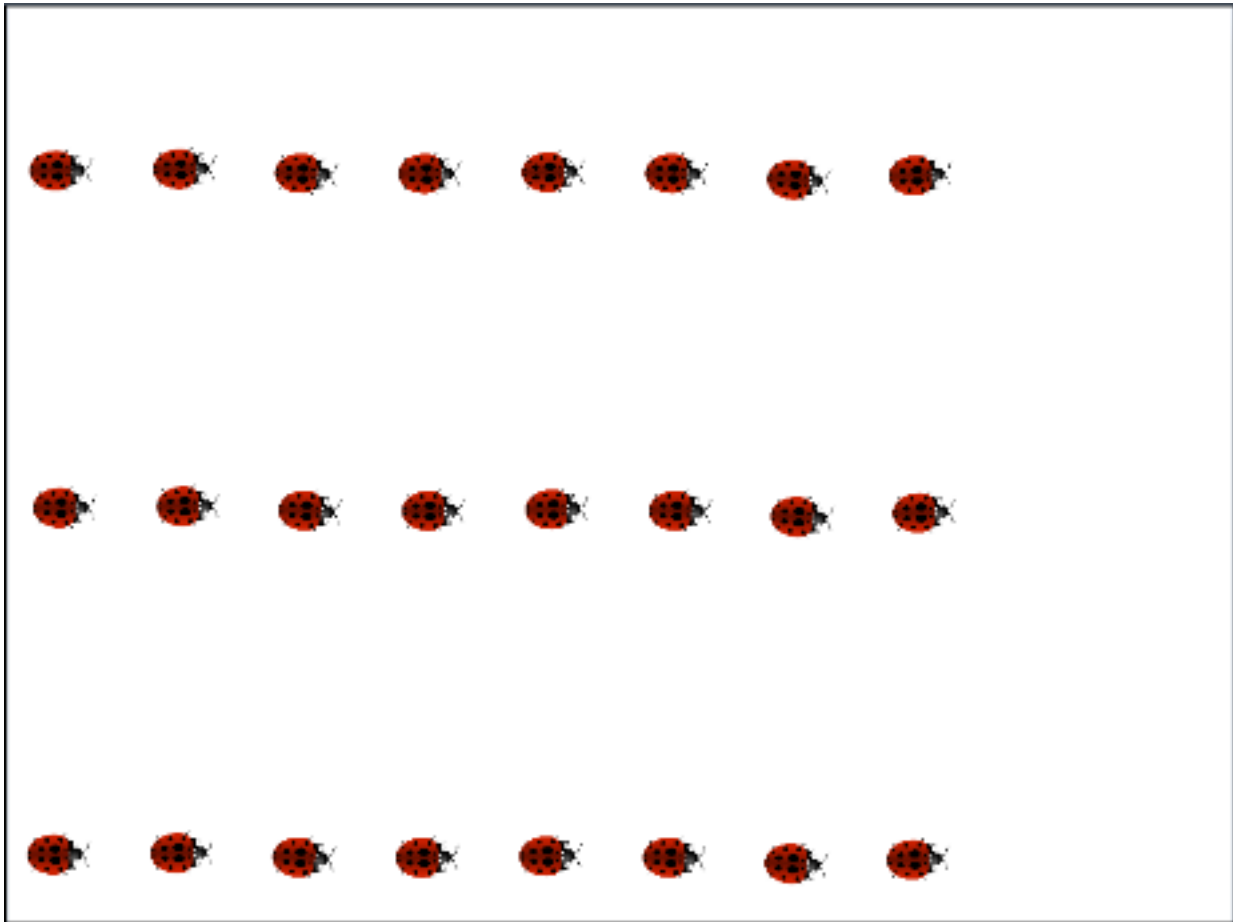
Continue to Use the Spray Tool

Click the **Spray** tool on the Paint panel.

You will see options for the Spray tool in the Paint panel.
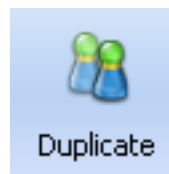
Use the pull-down menu at the top to choose Numbers.

Click the number 8.

Click black on the color palette.

Pixie 4

Move the pointer over the page.

Click to stamp the letter 8 at the far right side of the page, next to each row of ladybugs.
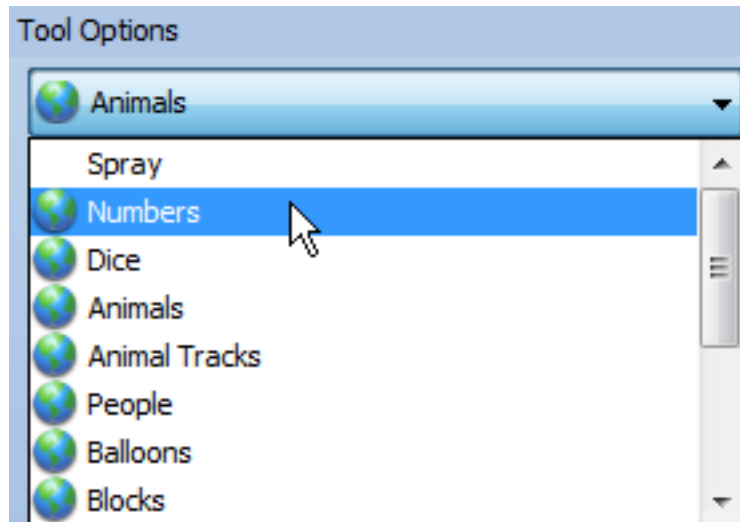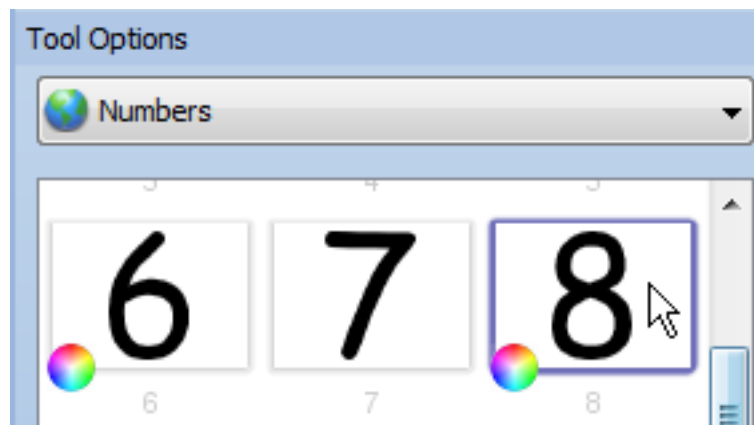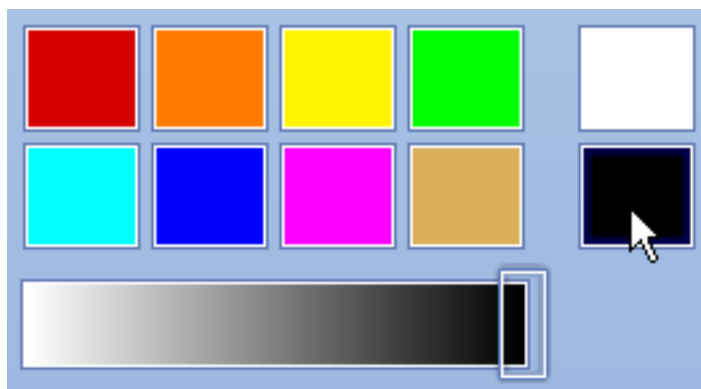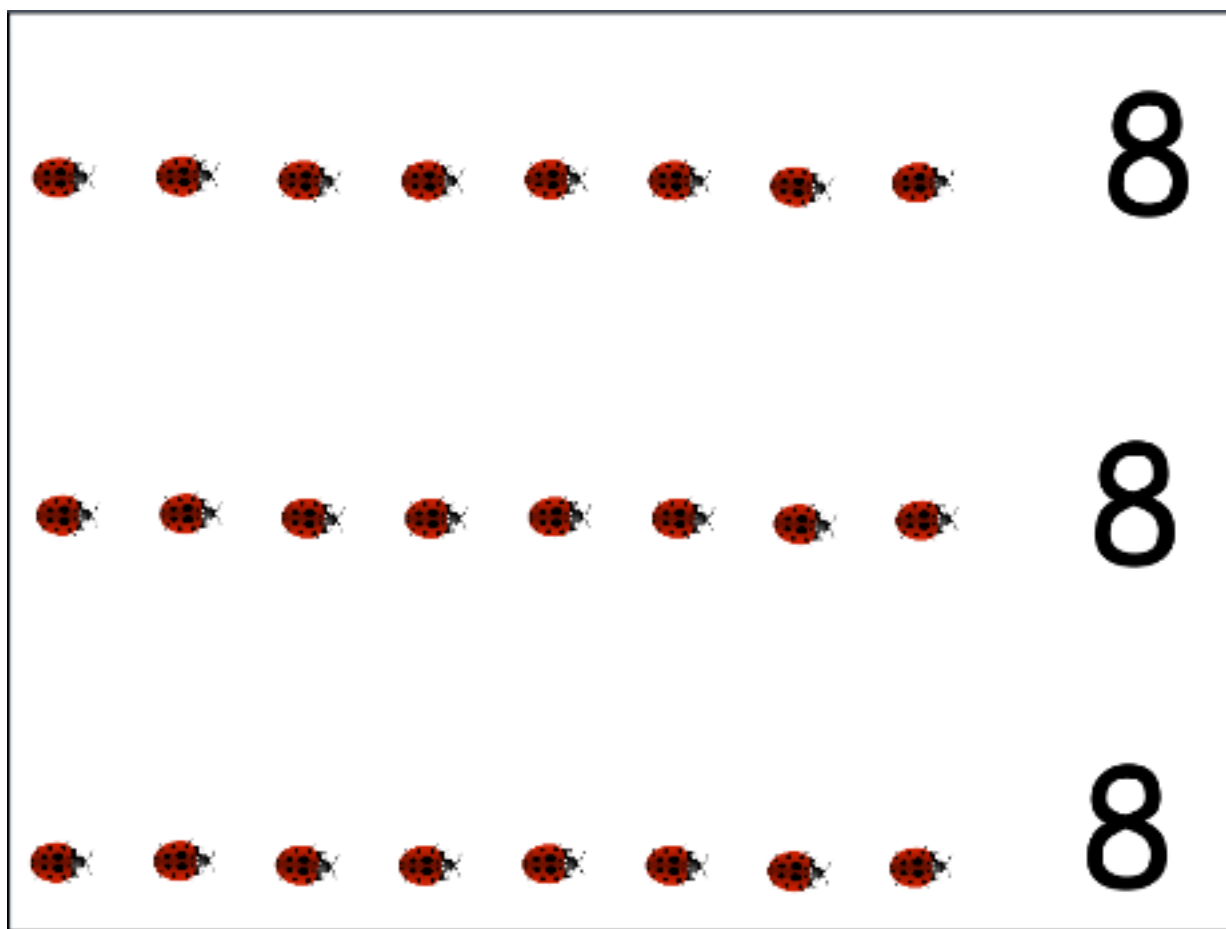
Click and drag the scroll bar in the Paint panel to find the equals (=) sign.

Click the equals sign to select it.

Move the pointer over the page.

The pointer will change to the equals sign.

Move the pointer to the left of each number 8 and click the mouse to stamp the equals sign.

Use the Selection and Spray Tools

You will now use the Selection tool and Stamp tool to demonstrate the commutative property of addition.

Click the **Selection** tool on the Paint panel.

Click and drag to draw a box around the last three ladybugs in the middle row.

Move the pointer over the middle of the selection.

Click and drag the selected group of ladybugs next to the equals sign.

Click the page away from the selection.

This will visually show that a group of five and a group of three equals eight.

Click the **Spray** tool from the options.

You will see the Spray options in the panel.
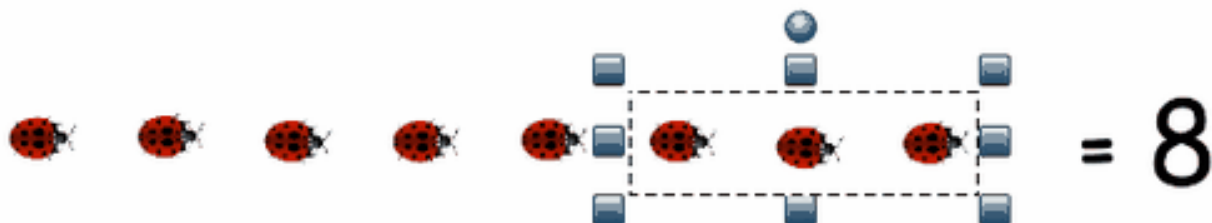
Use the pull-down menu at the top to choose Numbers.

Scroll down to find the plus (+) sign and click it.

Spray a plus (+) sign between the group of five ladybugs and the group of three ladybugs.

Click the 5 in the tool options for the spray can.

Move the pointer over the group of five ladybugs and click the mouse to spray 5.

Click the 3 in the tool options for the spray can.

Move the pointer over the group of three ladybugs and click the mouse to spray 3.

$$5 \qquad 3$$

🐞 🐞 🐞 🐞 🐞 + 🐞 🐞 🐞 = 8

Practice these skills on the ladybugs in the bottom row. This time, show that the addends can be in different places, so that the equation reads 3 + 5 = 8.

Click the **Selection** tool on the Paint panel.

Click and drag to draw a box around the last five ladybugs in the bottom row.

Move the pointer over the middle of the selection and drag so that the group of five is next to the equals sign.

Use the Spray tool to add a plus (+) symbol and the addends (3 and 5) to this equation.

You may also want to use the Selection tool to center the group of ladybugs at the top.

🐞 🐞 🐞 🐞 🐞 🐞 🐞 🐞 = 8

5   3

🐞 🐞 🐞 🐞 🐞 + 🐞 🐞 🐞 = 8

3   5

🐞 🐞 🐞 + 🐞 🐞 🐞 🐞 🐞 = 8
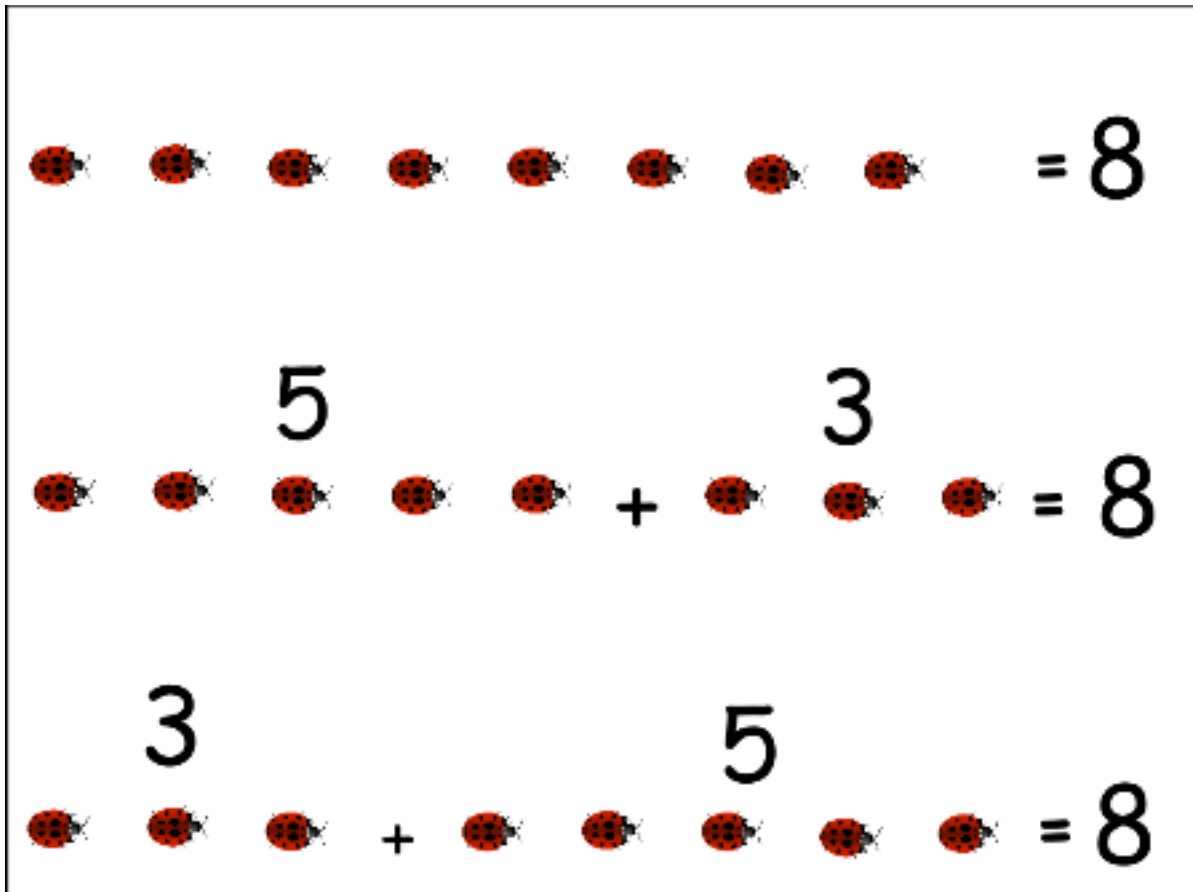
Record Narration

You can add narration to a page to explain your work.

Use your computer's built-in microphone or plug a microphone into your computer's microphone port. Make sure the computer is set to record sound from the microphone and that the recording volume is turned up.

Click the **Arrow** tool on the Paint panel.

You will see the sound options at the bottom of the Options panel.

Click the Record button.

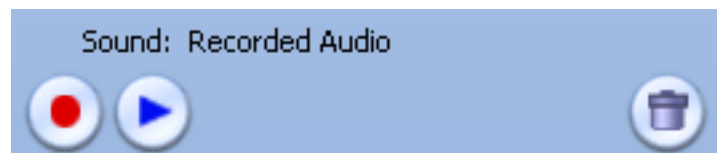Pixie will start recording sound immediately.

Record a sentence about addition.

Speak clearly into the microphone.
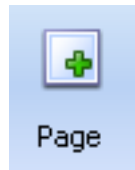
Click the **Stop** button to stop recording.

You will see a note in this area showing that a sound has been recorded.
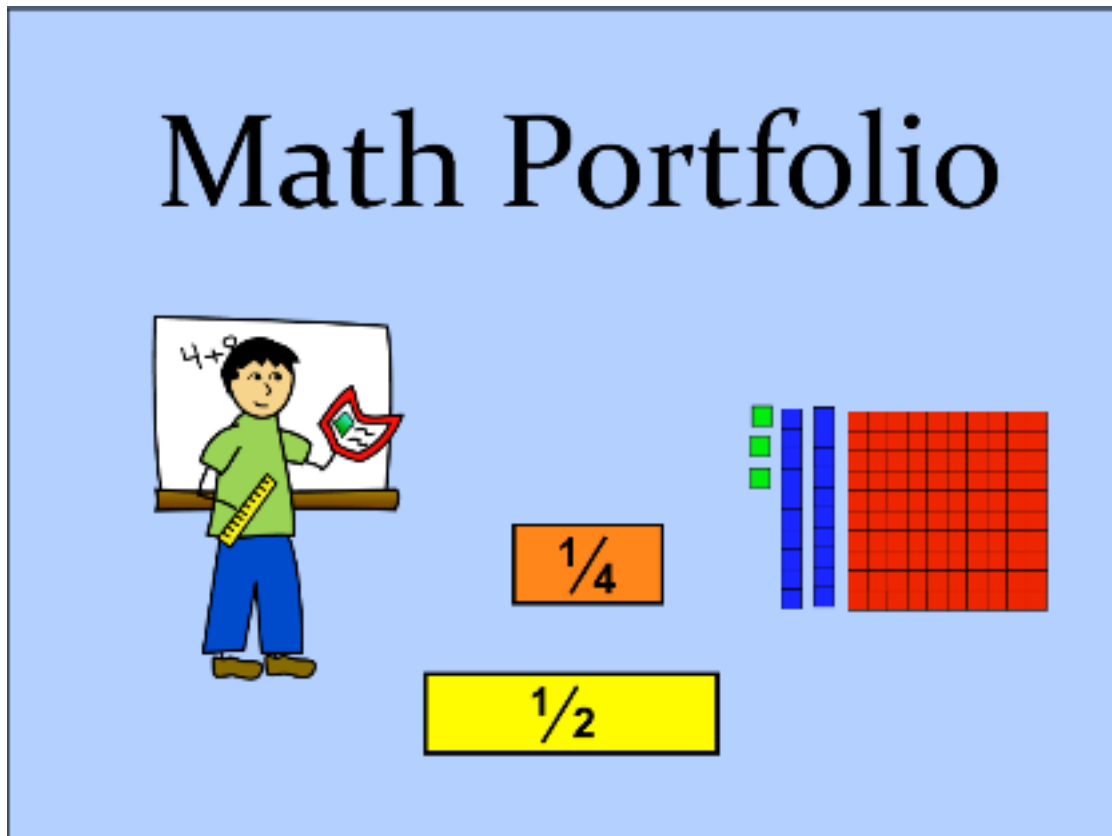
Practice Your Skills
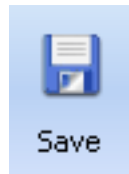
Click the Page button on the toolbar.

You will see a new blank page.

You have now learned how to add and format text, add and resize stickers, use the paint tools, and save.

Use these skills to create a title page for a math project portfolio.

When you are finished creating the page, click the Save button on the toolbar.

Save

Change the Order of Pages

You can change the order of pages.

Click the **View all pages** button on the bottom of the screen.

View

You will see a storyboard of the pages in this project.

Move the pointer over page 4.

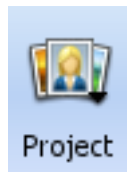Click and drag this page to the first position.

Let go.

The title page will now be in the first position.
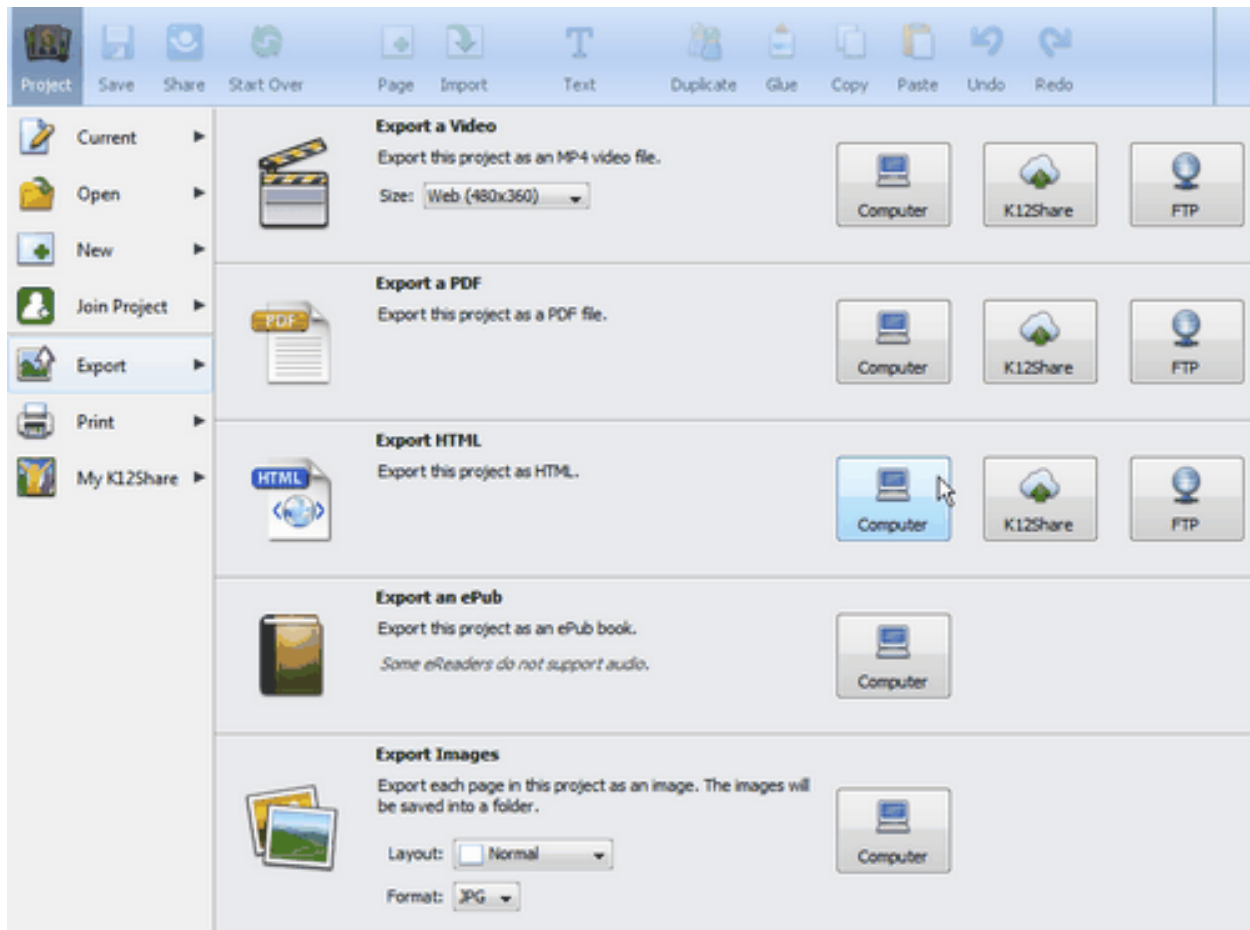
Create an HTML Portfolio

You can publish your pages to HTML so you can show them to anyone using a Web browser.

Click the **Project** button.

Click the Export option in the list.

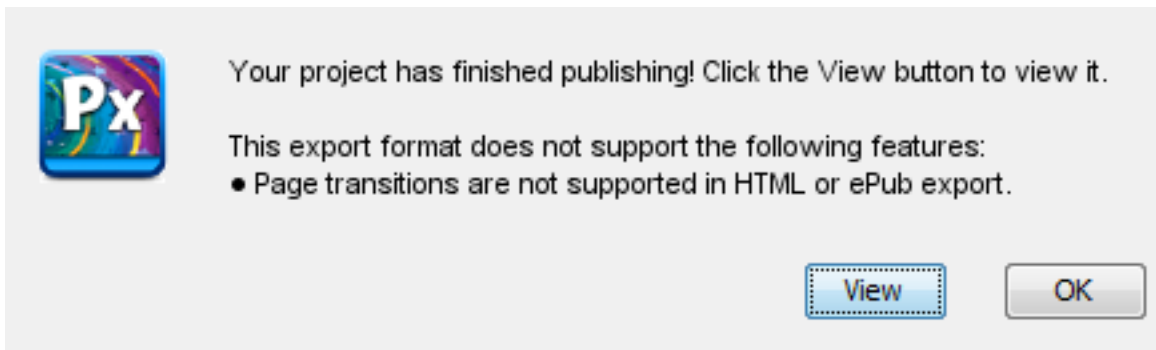Click the **Computer** button in the Export HTML area.

You will see the Save as HTML dialog.

Choose a place to save the project.

Click the **Save** button.

When the site has been published, you will see a finished publishing dialog.

Your project has finished publishing! Click the View button to view it.

This export format does not support the following features:
- Page transitions are not supported in HTML or ePub export.

View   OK

Click the **View** button to view your site.

Click the browser when you are done exploring your site.

Click the Save button on the toolbar.

Save
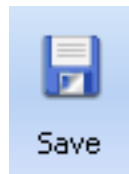
Close Pixie.

Conclusion

Congratulations. You have learned to use many of the features in Pixie and have created an HTML portfolio of your work.

In this Recipe, you learned how to:

Open an Activity

Use the Shape Tool

Use the Paint Brush Tool

Use the Paint Bucket Tool

Save

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Create an HTML Portfolio