



# A. Choose Company to Make Jigsaw Puzzle from Photo

1. <https://www.collage.com>
2. <https://www.ravensburger.us/products/photo-puzzles/index.html>
3. <https://www.shutterfly.com>
4. <https://www.createjigsawpuzzles.com/>
5. YouTubeVideos - Create your own Jigsaw Puzzle

## B. Choose Puzzle Size

1. Dimensions  $H \times W$  in inches (consider workspace area).
2. Piece Count (100-1500 pieces).

# C. Ravensburger & Collage Puzzles

I'll show puzzles from both Ravensburger & Collage and how they were processed.



# D. Ravensburger

## Processing Requirements

### 1. File/Photo Requirements:

- a. At least 150 ppi.
- b. Jpeg - sRGB - 3 MB to 19 MB.
- c. Avoid blurry photo.
- d. Many different colors.
- e. Bright & light colors work better than dark, flat colors.
- f. Sharp contours.
- g. Lots of details.

### 2. Crop photo as necessary (can crop after uploading).

### 3. Uprez as necessary if photo resolution is too small. Uprez means to increase the pixel dimension of the image.

Example: if photo is 500 x 400 pixels  
uprez to 1000 x 800 pixels

Can use LR, PS, Affinity, or Topaz, for example, to uprez.

#### 4. Choose Photo Puzzle Size

a. 100-500 pieces: approx 19.5" x 14.25"

b. 1000 pieces: approx 27" x 20"

c. 1500 pieces: approx 31.5" x 23.6"

5. 10-14 days to produce & ship. 2-7 days shipping (from East Coast).

# E. Birds of Penn Forest Puzzle For Ravensburger



1. Puzzle size chosen: 1000 pieces - approx 27" x 20"  
Aspect ratio (shape) is approx 4:3 - aspect ratio is different than size. Cost: approx \$52 incl tax & shipping
2. Original photos were taken in various sizes with iPhone and Canon 5D MkIII.
3. Photos were edited in Lightroom.

4. Composite was made in Photoshop. Can do the same in Affinity.

- a. Background was Yellow color.
- b. Background cropped to 4:3 aspect ratio.
- c. Yellow to Orange gradient added to background. Makes it easier to put the puzzle together.
- d. Photos resized and positioned on separate layers.
- e. Text was added in Red color.

Photo does not have to be this complex. Second example tonight will be much simpler.

5. Original composite image was 4140 x 2994 pixels.

6. Composite image was uprezzed in LR to 6000 x 4339 pixels.

7. Resolution is determined by dividing the longest pixel side by the longest puzzle size.  $6000/27 = 222$  ppi (pixels per inch).

8. As you can see, we are in reality making a print 27" x 20". But instead of being printed on photo paper, it will be printed on heavy cardboard, then cut up into jigsaw puzzle pieces.

# F. Collage Processing Requirements

1. Collage doesn't actually publish any requirements.
2. We'll use the same requirements that Ravensburger uses.
3. Choose Photo Puzzle Size
  - a. 110 pieces: 8" x 10"
  - b. 252 pieces: 11" x 14"
  - c. 520 pieces: 16" x 20"
  - d. 676 pieces: 20" x 20"
  - e. 1014 pieces: 20" x 30"
4. Pick the date you want the puzzle to arrive when choosing shipping options. 5-10 days depending on cost.



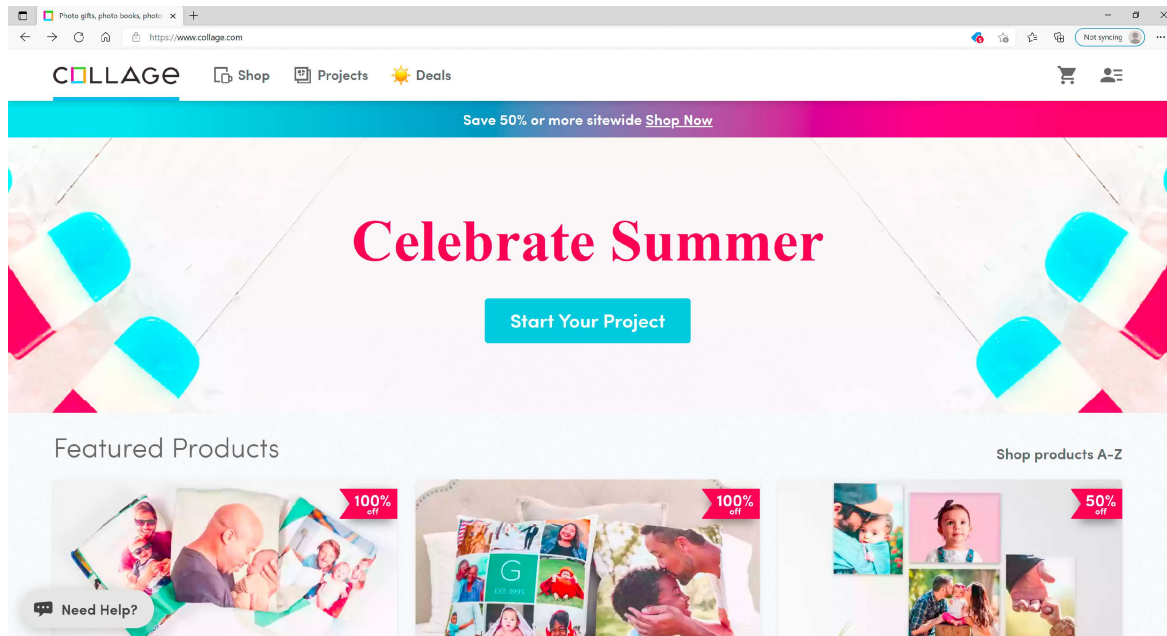
# G. Process Two Cats in Window Photo For Collage



1. Puzzle size chosen: 1014 pieces - 30" x 20"
2. Original photo was taken with iPhone.
3. Photo was edited in Lightroom.
4. Original image was cropped to 3:2 aspect ratio in LR. Image then uprezzed in LR to 6066 x 4044 pixels, sharpened for matte paper and exported to Jpeg at 95% quality.
5. Original image was 4032 x 3024 pixels. This is the full size, native resolution of an iPhone 12 Pro shot.
6. Image was cropped to 3:2 aspect ratio in LR. Image then uprezzed in LR to 6066 x 4044 pixels, sharpened for matte paper and exported to Jpeg at 95% quality.
7. No border or text will be added for the puzzle.

# H. Order Two Cats in Window Puzzle From Collage

1. In web browser, go to <http://www.collage.com>
2. Actual process will be shown in the series of photos below.





## Products

All Products

Accessories

Blankets & Pillows

Customer Favorites

Desk & Office

Gifts

Home

Wall Art

## Featured



Blankets



Books

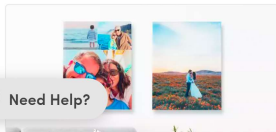


Canvases

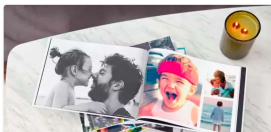


Phone Cases

## All Products



Need Help?



All Products

Accessories

Blankets & Pillows

Customer Favorites

Desk & Office

Gifts

Home

Wall Art



Notebooks



Ornaments



Phone Cases

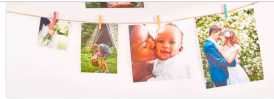


Photo Prints



Photo Socks



Pillow Cases



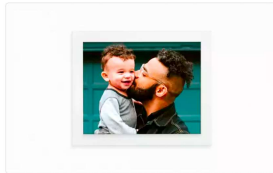
Pillows



Playing Cards



Need Help?



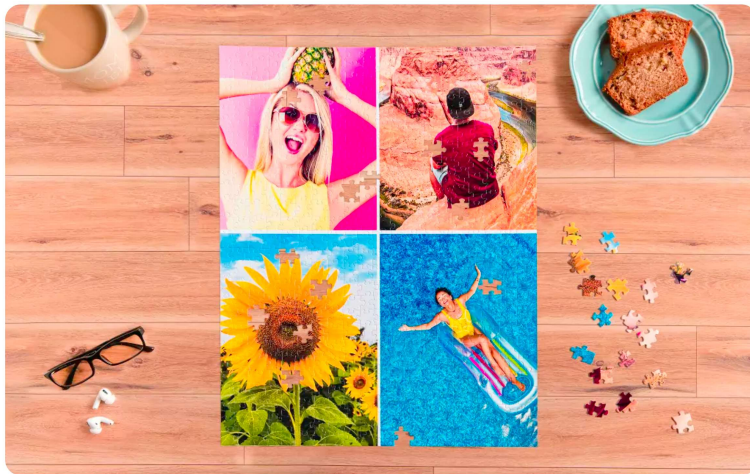
Premium Framed Prints



Puzzles



Rolled Canvases



Need Help?



## Custom Photo Puzzles

★★★★★ | 6387 Reviews

Puzzle for

Kids  Adult

Size

<input checked="" type="radio"/> 8x10 110-piece	<input type="radio"/> 11x14 252-piece	<input type="radio"/> 16x20 520-piece
<input type="radio"/> 20x20 676-piece	<input type="radio"/> 20x30 1014-piece	

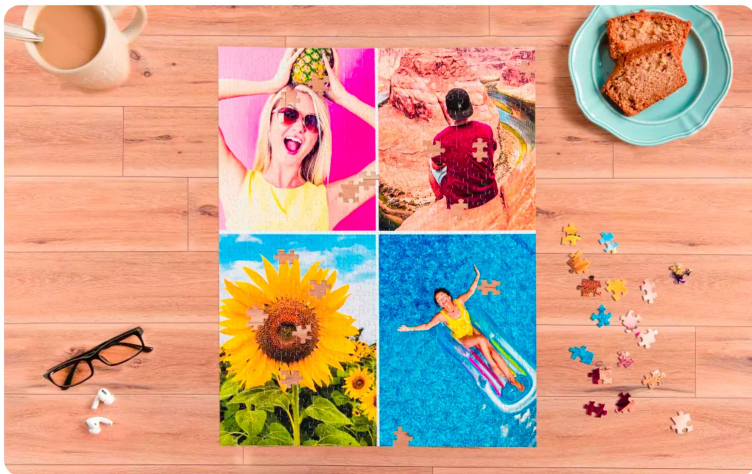
Finish

Matte  Glossy

**\$14.99** ~~\$29.99~~  
(SavingsTime applied - 50% Off)

[Start Your Puzzle](#)

Product Description



Need Help?



## Custom Photo Puzzles

★★★★★ | 6387 Reviews

Puzzle for

Kids

Adult

Size

8×10  
110-piece

11×14  
252-piece

16×20  
520-piece

20×20  
676-piece

20×30  
1014-piece

Finish

Matte

Glossy

**\$49.99** ~~\$99.99~~

(SavingsTime applied - 50% Off)

Start Your Puzzle

Product Description



20 x 30 Puzzle  
1014-piece

All Changes Saved

Review →



Photos



Designs



Background



Text



Photo Fit

## Your Photos

0 photos selected

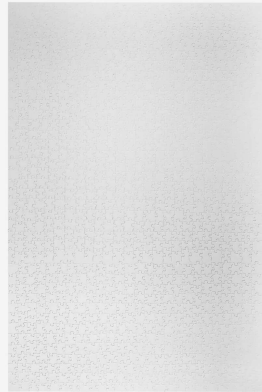
 Upload Photos

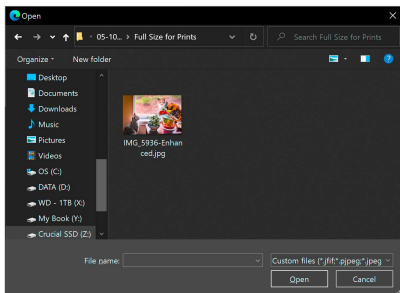
June 21, 2021



Undo Redo

Shuffle Zoom In Zoom Out Preview





Projects | Collage.com

https://www.collage.com/finish/v102121667

20 x 30 Puzzle  
1014-piece

All Changes Saved [Review](#) →

Photos  
1 photo selected

Designs

Background


Text

June 21, 2021

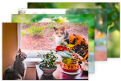
Undo Redo

Shuffle Zoom In Zoom Out Preview

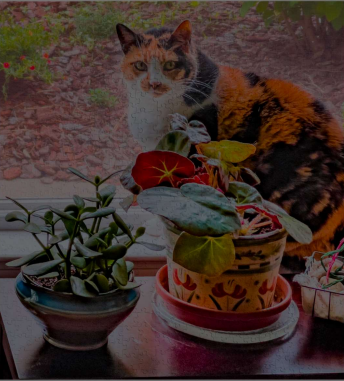
**Tell us about your project**  
You can change this at any time.



[Create Single Photo Project](#)



[Add More Photos to Project](#)





20 x 30 Puzzle  
1014-piece

All Changes Saved

Review →



Photos



Designs



Background



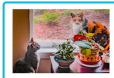
Text

## Designs

Templates

Layouts

Simple one-photo layouts



Cover All Photo  
20 x 30 Puzzle



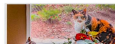
Custom Crop Photo  
20 x 30 Puzzle



Cover All Photo  
20 x 30 Puzzle

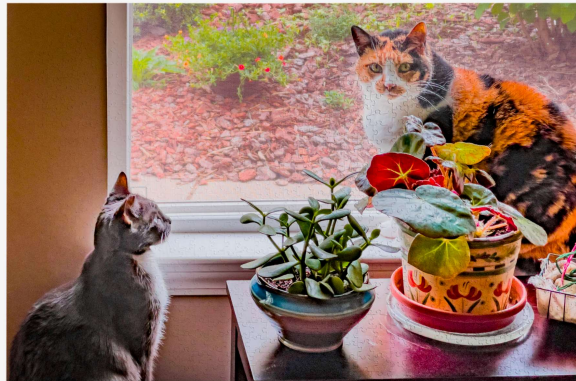


Bordered Photo  
20 x 30 Puzzle



Undo Redo

Shuffle Zoom In Zoom Out Preview



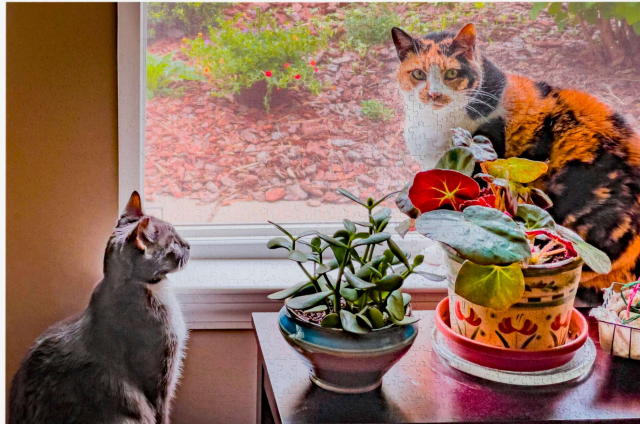


[← Make Changes](#)

[Add To Cart](#)

Your 20 x 30 1014-piece Puzzle will be printed as shown

[Zoom In](#) [Zoom Out](#)




Projects | Collage.com

https://www.collage.com/finish/v102121667

Not syncing

< Make Changes Add To Cart

Zoom In Zoom Out



**+\$10**

**Upgrade to a Glossy Finish?**  
Make your puzzle shine and your photos pop.

Yes

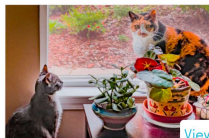
No thanks

# Shopping Cart

## Cart Items

Matte 20x30 Puzzle 1014-piece

[Remove](#) • [Edit](#) • [Make a Copy](#) • [Share](#)



[View](#)

Qty  
1

~~999.99~~ \$49.99

**Delight a friend!** Get a copy for a friend or family member and save 60% on both. Only \$40.00 each!

+ Add

## Order Summary

Cart Total ~~999.99~~ \$49.99

Code SavingsTime [Edit Code](#)  
Total Savings \$50.00

We automatically applied the coupon SavingsTime for you. X

Check Out



### Just for you

Add these personalized products to your cart





# Ravensburger® Original Puzzle

Original Ravensburger Quality



## The Birds of Penn Forest



1000

## Roanoke Virginia

The Birds of Penn Forest

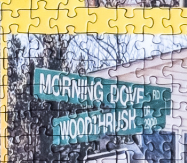
Ravensburger

© 2017 Ravensburger North America  
- Dalton Lion Center -  
1 Puzzle Dr., Newton, NH 03858, USA





# The Birds of Penn Forest




# Roanoke Virginia







**WARNING:**  
 **CHOKING HAZARD - Small parts**  
Not for children under 3 years.

COLLAGE.COM

20 x 30 puzzle

LOT:227041701


Made in USA









  
**McSEAGULLS**  
**FOOD & SPIRITS**

OPEN DA



