

Marvelous Meaningful Monthly Math

Sponsored by

Central Area Tech Prep, Mitchell Technical Institute, and Bridges

Arts, Audio-Video Technology and Communications January

Career – Graphic Designer

Math Activity

You've been a junior designer at the commercial art firm of Watts and Witts for about a year and have just been given an opportunity to handle a potentially huge account.

Though Alexis Dumont is a new client, her firm is well-known and respected in town. It would be a feather in your cap if she were to become a regular client.

Dumont would like you to create a magazine-sized brochure for her wedding supplies and services company. The photo of a bride and groom standing under a gazebo has to fit into the appropriate spot on the front of the brochure.

The photo is 1600 pixels wide and 1200 pixels tall. The space you want to fit it into, however, is 5 inches wide and 3 inches tall. Since the brochure will be printed at 300 dpi (dots per inch), does the supplied photo have enough pixels to hold up at that printed size?

In order to figure this out, you can use the following formula:

Dimensions (inches) = Dimensions (pixels) / Print resolution (dpi)

Name _____ School _____ Teacher _____