

Working With Perspective

Photos are 2-dimensional pictures usually of 3-dimensional objects or scenes. When a photo is taken with a camera there is often some perspective errors due to horizontal or vertical camera tilt. Photoshop provides a range of tools that try to repair these errors whilst retaining the perspective of the image.

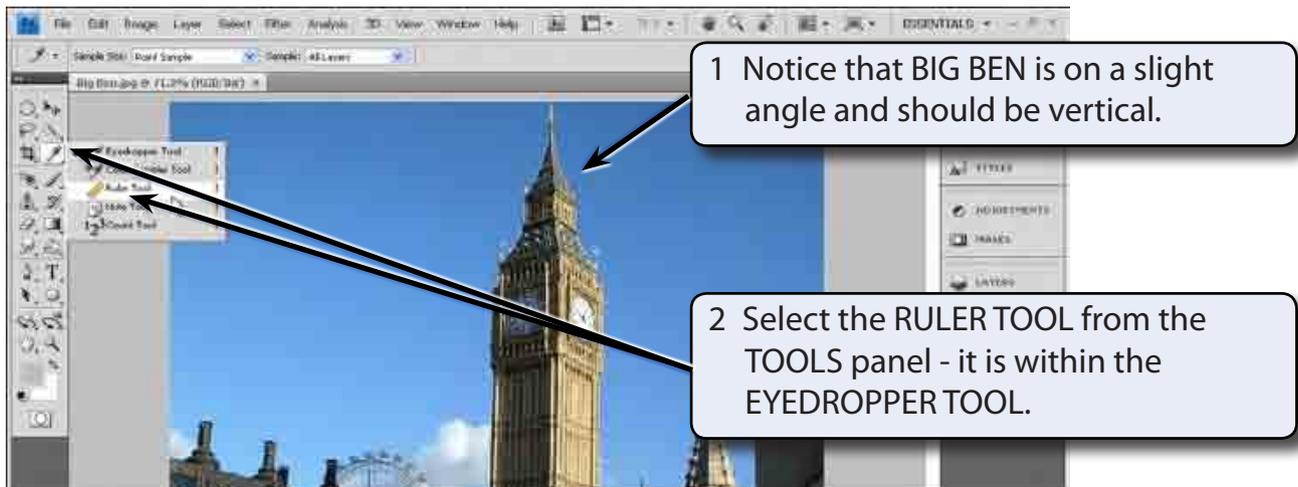
Straightening an Image

When you simply want to straighten an image, the RULER TOOL can be used. The RULER TOOL measures the angle of tilt in a photo.

A Loading the Sample Photo

- 1 Load Photoshop or close the current file and select OPEN from the FILE menu.
- 2 Access the PSCs4 SUPPORT FILES, open the CHAPTER 17 folder and open the file:
Big Ben
- 3 Press CTRL+0 or COMMAND+0 to set the view to FIT ON SCREEN.

B Applying the Ruler Tool



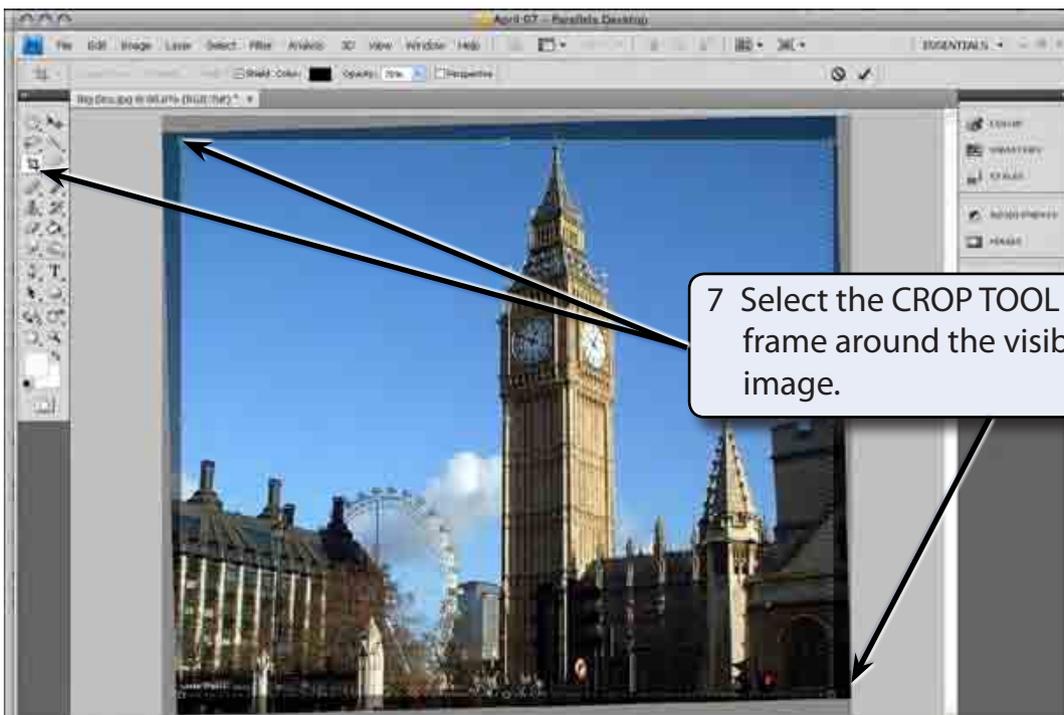


4 Display the IMAGE menu, highlight IMAGE ROTATION and select ARBITRARY.



5 The angle of tilt is measured and displayed in the ANGLE box.

6 Leave CCW (counter clockwise) selected, which is the direction to straighten the image and select OK.



NOTE: You can use the handles to adjust the crop frame so that just parts of the image are selected.

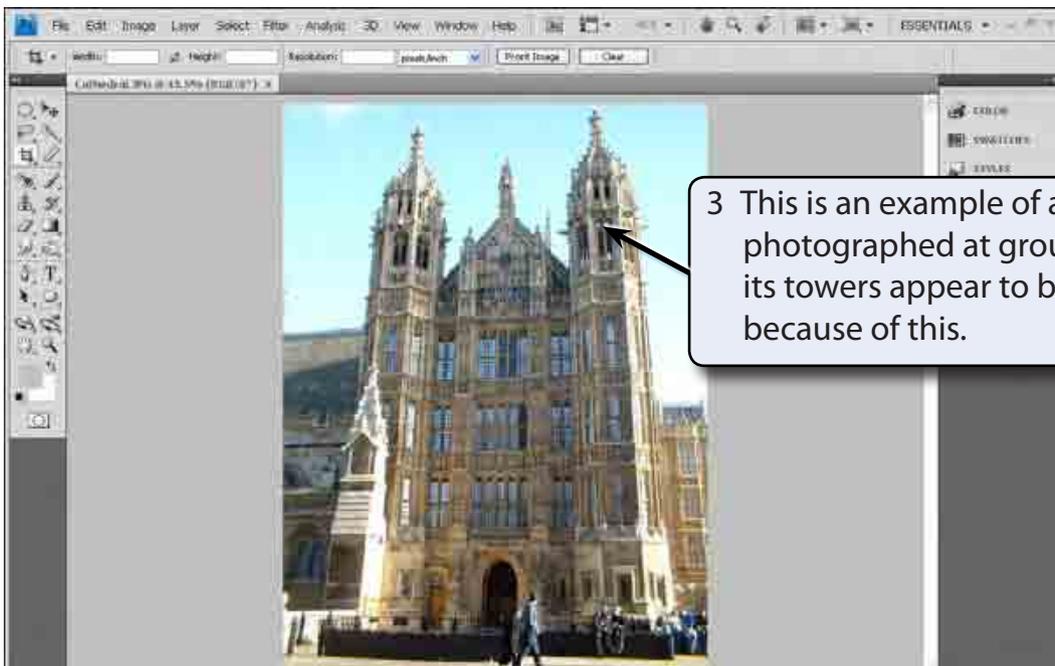
- 8 Double click inside the crop frame to complete the crop.
- 9 Save the image in your STORAGE folder if you wish.

Lens Correction

The LENS CORRECTION filter can be used to minimize distortions created by incorrect camera angles. You can also create some interesting effects with this filter.

A Loading the Sample Photo

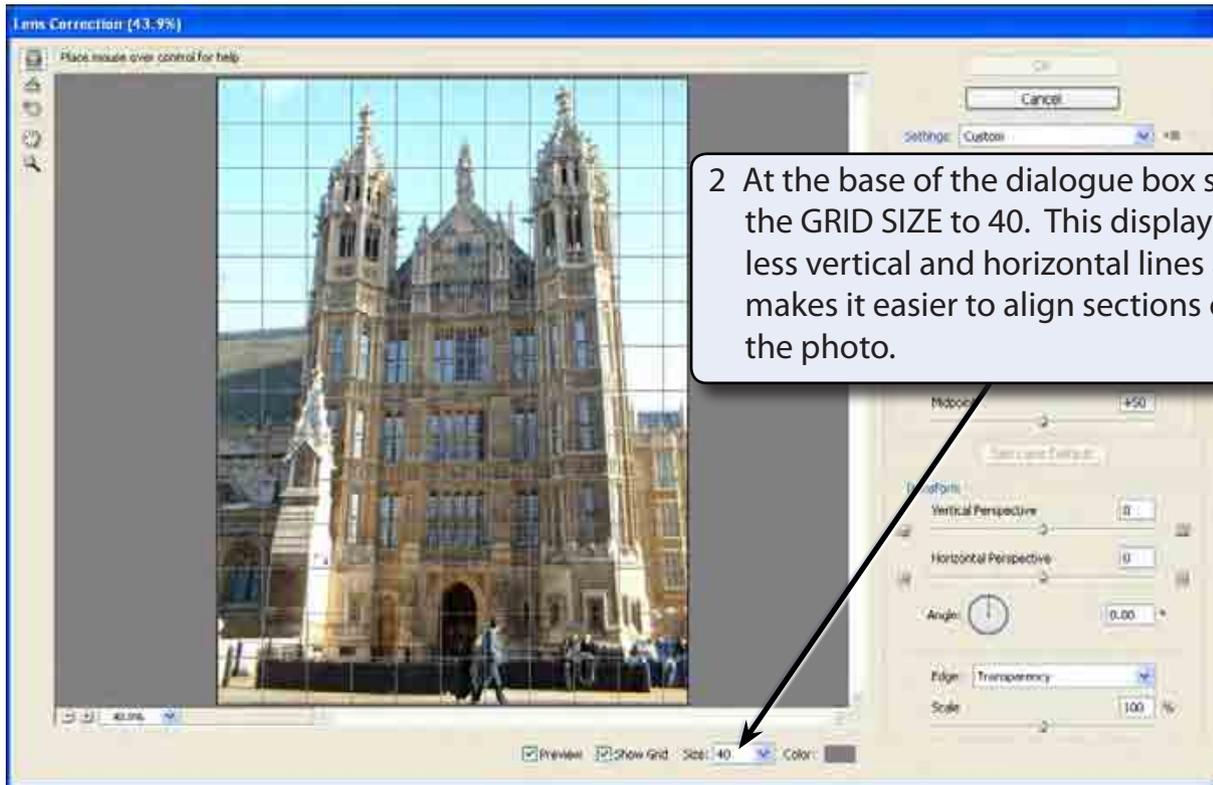
- 1 Close the Big Ben file and select OPEN from the FILE menu.
- 2 Access the PScs4 SUPPORT FILES, open the CHAPTER 17 folder and open the file:
Cathedral



- 4 The LENS CORRECTION filter can be used to reduce this effect.

B Applying the Lens Correction Filter

- 1 Display the FILTER menu, highlight DISTORT and select LENS CORRECTION to open the LENS CORRECTION dialogue box.



NOTE: The LENS CORRECTION tools are at the right of the dialogue box. You can adjust the magnification of the image using the zoom tools at the bottom left of the dialogue box.