1. What is a Convolution? 1 / 1 point

- A technique to make images smaller
- A technique to make images bigger
- A technique to filter out unwanted images
- (selected) A technique to isolate features in images

✓ Correct

2. What is a Pooling? 1 / 1 point

- (selected) A technique to reduce the information in an image while maintaining features
- A technique to make images sharper
- A technique to isolate features in images
- A technique to combine pictures

✓ Correct

3. How do Convolutions improve image recognition? 1 / 1 point

- (selected) They isolate features in images
- They make the image smaller
- They make the image clearer
- They make processing of images faster

✓ Correct

4. After passing a 3x3 filter over a 28x28 image, how big will the output be? 1 / 1 point

- ○ 31x31
- ◉ 26x26
- ○ 25x25
- ○ 28x28

✓ **Correct**

5. After max pooling a 26x26 image with a 2x2 filter, how big will the output be? 1 / 1 point

- ○ 56x56
- ○ 28x28
- ○ 26x26
- ◉ 13x13

✓ **Correct**

6. Applying Convolutions on top of our Deep neural network will make training: 1 / 1 point

- ◉ It depends on many factors. It might make your training faster or slower, and a poorly designed Convolutional layer may even be less efficient than a plain DNN!
- ○ Stay the same
- ○ Slower
- ○ Faster

✓ **Correct**