1. What is a Convolution?

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

✓ **Correct**

2. What is a Pooling?

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

✓ **Correct**

3. How do Convolutions improve image recognition?

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

✓ **Correct**

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

- (●) 26x26
- ( ) 28x28
- ( ) 31x31
- ( ) 25x25

✓ **Correct**

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

- (●) 13x13
- ( ) 56x56
- ( ) 26x26
- ( ) 28x28

✓ **Correct**

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

- ( ) Stay the same
- ( ) Slower
- (●) 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!
- ( ) Faster

✓ **Correct**