✓ **Congratulations! You passed!**
TO PASS 80% or higher

Keep Learning

GRADE
100%

Week 3 Quiz

LATEST SUBMISSION GRADE
100%

1. What is a Convolution? **1 / 1 point**

- ○ A technique to filter out unwanted images
- ○ A technique to make images bigger
- ○ A technique to make images smaller
- ◉ A technique to isolate features in images

✓ **Correct**

2. What is a Pooling? **1 / 1 point**

- ◉ A technique to reduce the information in an image while maintaining features
- ○ A technique to isolate features in images
- ○ A technique to make images sharper
- ○ A technique to combine pictures

✓ **Correct**

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

- ◉ They isolate features in images
- ○ They make the image smaller
- ○ They make processing of images faster
- ○ They make the image clearer

✓ **Correct**

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

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

✓ Correct

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

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

✓ Correct

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

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

✓ Correct