✓ **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 isolate features in images

   ○ A technique to make images smaller

   ○ A technique to make images bigger

   ○ A technique to filter out unwanted images

   ✓ **Correct**

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

   ○ A technique to isolate features in images

   ◉ A technique to reduce the information in an image while maintaining features

   ○ A technique to combine pictures

   ○ A technique to make images sharper

   ✓ **Correct**

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

   ◉ 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`

   ○ 25x25

   ○ 28x28

   ◉ 26x26

   ○ 31x31

   ✓ **Correct**

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

   ○ 26x26

   ◉ 13x13

   ○ 28x28

○ 56x56

✓ **Correct**

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

○ Faster

○ 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!

✓ **Correct**

✓ **Correct**