Congratulations! You passed!

Grade received 100% | Latest Submission Grade 100% | To pass 80% or higher

Go to next item

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

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

Correct
Spot on! Additionally, a properly designed convolution layer can even make training faster.

2. What does the Pooling technique do to the images? **1 / 1 point**

- ◉ Reduces information in them while maintaining some features
- ○ Makes them sharper
- ○ Isolates features in them
- ○ Combines them

Correct
Good job! Pooling reduces information without removing all of the features.

3. True or False. If you pass a 28x28 image through a 3x3 filter the output will be 26x26 **1 / 1 point**

- ○ False
- ◉ True

Correct
Nailed it!

4. After max pooling a 26x26 image with a 2x2 filter, the output will be 56x56 **1 / 1 point**

- ◉ False
- ○ True

Correct
Yes! The output would actually be 13x13

5. How does using Convolutions in our Deep neural network impact training? **1 / 1 point**

- ○ It does not affect training
- ○ It makes it faster
- ◉ Its impact will depend on other factors.
- ○ It makes it slower

Correct
Correct! Using convolutions might make your training faster or slower, and a poorly designed Convolutional layer may even be less efficient than a plain DNN!