

Week 3 Quiz

LATEST SUBMISSION GRADE

100%

1.

Question 1

What is a Convolution?

1 / 1 point



A technique to isolate features in images



A technique to filter out unwanted images



A technique to make images smaller



A technique to make images bigger

Correct

2.

Question 2

What is a Pooling?

1 / 1 point



A technique to make images sharper



A technique to combine pictures



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



A technique to isolate features in images

Correct

3.

Question 3

How do Convolutions improve image recognition?

1 / 1 point

☐

They make processing of images faster

☐

They make the image smaller

☐

They make the image clearer

☒

They isolate features in images

Correct

4.

Question 4

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

1 / 1 point

☒

26x26

☐

31x31

☐

25x25

☐

28x28

Correct

5.

Question 5

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

1 / 1 point



13x13



26x26



28x28



56x56

Correct

6.

Question 6

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

1 / 1 point



Slower



Stay the same



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