# Week 3 Quiz

Quiz, 6 questions

1 point

1.
What is a Convolution?

- 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

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1 point

2.
What is a Pooling?

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

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1 point

3.
How do Convolutions improve image recognition?

- They make the image smaller
- They make processing of images faster

- They make the image clearer
- They isolate features in images

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1 point

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

- 28x28
- 31x31
- 25x25
- 26x26

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1 point

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

- 28x28
- 13x13
- 26x26
- 56x56

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1 point

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

- 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!
- Slower

Faster

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Stay the same

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