### Example assessment questions for image classification

Question

Computer vision is the ability of computers to capture and store digital images.

1. True
2. **False**

Explanation: Computer vision is the practice and study of using computers to assign high-level meaning or understanding to digital images and/or video.

Question

You convert a grayscale image (bitdepth of 8 bits) with a resolution of 400x300 pixels into a an array. What is the shape of that array?

Answer: **(300, 400)**

Question

Raw pixel values captured from an image sensor cannot be used as input to a neural network.

1. True
2. **False**

Explanation: Raw pixel values captured from an image sensor cannot be used as input to a neural network. However, you may want to consider normalizing the values to make training faster/easier.

Question

You want to create an image classifier that identifies among many different breeds of dogs. What kind of classifier should you use?

1. Multiclass
2. One vs. one
3. One vs. rest