If I put a dropout parameter of 0.2, how many nodes will I lose?

- **20% of them**
- 2% of them
- 20% of the untrained ones
- 2% of the untrained ones

Why is transfer learning useful?

- Because I can use all of the data from the original training set
- Because I can use all of the data from the original validation set
- **Because I can use the features that were learned from large datasets that I may not have access to**
- Because I can use the validation metadata from large datasets that I may not have access to

How did you lock or freeze a layer from retraining?

- tf.freeze(layer)
- tf.layer.frozen = true
- tf.layer.locked = true
- **layer.trainable = false**

How do you change the number of classes the model can classify when using transfer learning? (i.e. the original model handled 1000 classes, but yours handles just 2)

- Ignore all the classes above yours (i.e. Numbers 2 onwards if I'm just classing 2)
- Use all classes but set their weights to 0
- **When you add your DNN at the bottom of the network, you specify your output layer with the number of classes you want**
- Use dropouts to eliminate the unwanted classes

Can you use Image Augmentation with Transfer Learning Models?

- No, because you are using pre-set features
- **Yes, because you are adding new layers at the bottom of the network, and you can use image augmentation when training these**

Why do dropouts help avoid overfitting?

- **Because neighbor neurons can have similar weights, and thus can skew the final training**
- Having less neurons speeds up training

What would be the symptom of a Dropout rate being set too high?

- **The network would lose specialization to the effect that it would be inefficient or ineffective at learning, driving accuracy down**
- Training time would increase due to the extra calculations being required for higher dropout

Which is the correct line of code for adding Dropout of 20% of neurons using TensorFlow

- tf.keras.layers.Dropout(20)
- tf.keras.layers.DropoutNeurons(20),
- **tf.keras.layers.Dropout(0.2),**
- tf.keras.layers.DropoutNeurons(0.2)