



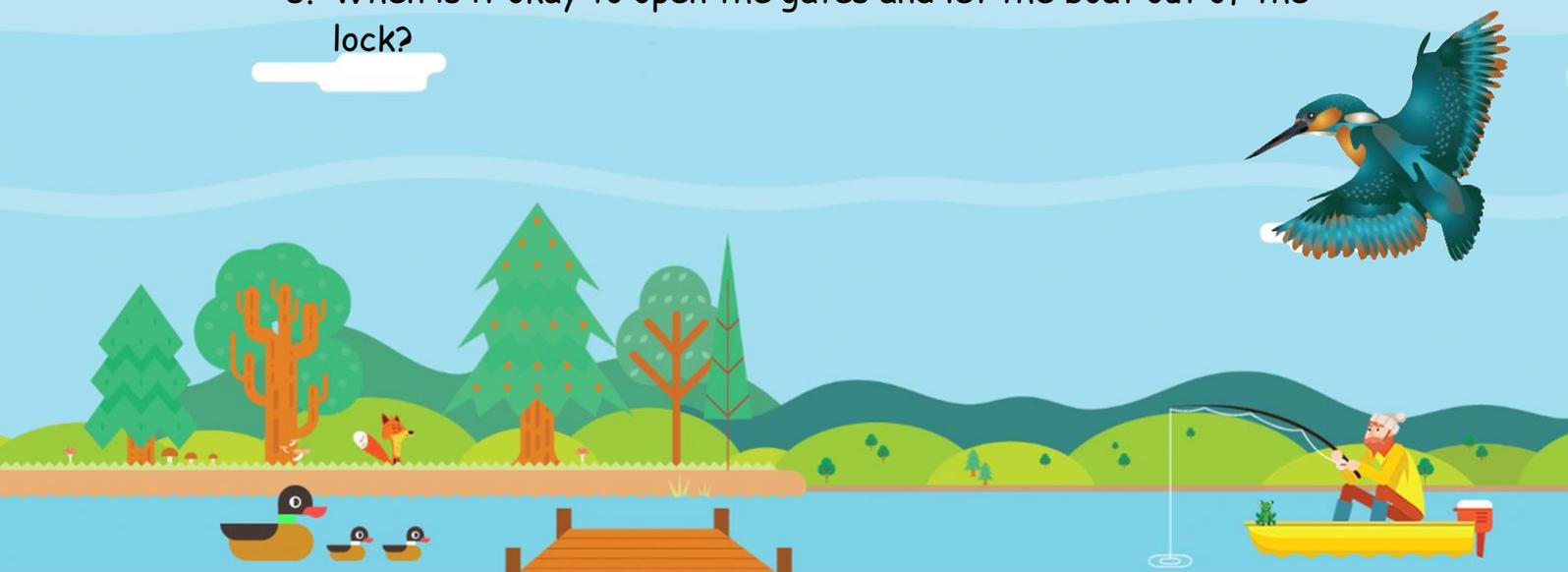
How do Locks operate?

Watch the videos found within this resource and learn how locks operate along our waterways. Using the videos to help you, answer the questions about the locks which are located on the Shannon-erne Waterway, Barrow Navigation, Grand and Royal canal.

- Locks located on the Shannon-erne Waterway- <https://bit.ly/3dUP1Co>
- Locks located on the Barrow Navigation and the Royal & Grand Canal- <https://bit.ly/36aivcF>

Questions:

1. How long is the Shannon-erne Waterway?
2. When was the Shannon-erne Waterway reopened to the public?
3. How many locks are located along the Shannon-erne Waterway?
4. What is the reason for the siren sound at the lock and what should you do to stop it?
5. What should you always wear when you are on a boat or operating a lock?
6. Who usually operates the lock on the Barrow Navigation and the Grand & Royal Canal?
7. How do the locks operating on the Shannon-erne Waterway differ to those located on the Barrow Navigation and the Grand & Royal Canal?
8. When is it okay to open the gates and let the boat out of the lock?





Once you have answered the questions above use the answers below to help you correct them:

Answers:

1. The Shannon-Erne waterway is 63km in length.
2. It was reopened in 1994 after refurbishment.
3. There are 16 electrohydraulic locks located on the Shannon-
Erne Waterway
4. If the boat is too close to the moving lock gates or if they are not clear of the sill a siren will sound. If the siren sounds, hold in the emergency stop button and move the boat clear of the gates and sills.
5. You should always wear a lifejacket when you are on a boat or operating a lock.
6. A Lock Keeper will usually operate the locks located on the Barrow Navigation and the Grand & Royal Canal
7. The locks on the Shannon-Erne waterway are electrohydraulic and operate using a smart card. The locks located on the Barrow Navigation and the Grand & Royal Canal are operated by a lock keeper who physically pulls or pushes the lock gates to open and close them.
8. When the water is level on both sides of the lock it is safe to open the lock gates and release the boat.

If you are interested in other resources similar to this, make sure to check out Waterways Irelands Learning Zone! It is full of fun free downloadable curriculum linked activities. You can find the learning zone online at: <https://bit.ly/2LQEts9>

