

## Think



- Where are these waves?
- How does it smell here?
- Why do waves move in this way?
- How would you describe the sound waves make?



## Solve



The tallest wave recorded was at Lituya Bay, Alaska. It measured 1719 feet. Can you convert this measurement to yards if 1 yard equals 3 feet?

## Respond



Use alliteration and onomatopoeia to write a poem about the sea. Re-create the atmosphere, sounds and smells of a stroll along the shoreline as the waves and the tide slowly creeps in.

## Discuss



Should more money be given to research wave and tidal energy? Is there as much energy as we think in the oceans' waves? Would this be a clean and renewable energy? Why is there not more research into it?

Would potential harm to fish and other sea creatures be too big a price to pay when installing spinning turbines and tidal barrages? Is the cost of equipment far more than other sources of energy?

## Discover



**Fact:** The oceans and seas of the world are constantly moving, with waves that are caused by the wind transferring its energy to the water. This, along with the gravitational pull of the moon on the Earth, creates waves.

**Question:** What would happen if there were no waves? What would happen to the fish and other creatures that live in the sea? Would there be an effect deep in the ocean? What would be the consequences for mankind? Stage a class debate or discussion on the importance of waves to our lives.

## Reimagine



Use printing with polystyrene tiles to create a seascape. To give the print some texture, mix in some sand or stick to the finished artwork as a shoreline.

# Waves Answers

Can you convert this measurement to yards if 1 yard equals 3 feet?

Children will need to divide 1719 by 3 to find the answer.

This would work well as long division.

$$1719 \div 3 = 573$$