



TOGETHER FOR OUR MOANA - WE'RE SHAPING OUR FUTURE

INTERGRATED MATHS LEARNING - MEASUREMENT

Measure the size of these animals

- **Snapper / tāmure** - the smallest size you are allowed to catch and keep in the Hauraki Gulf. **30cm**



- **Snapper** - can live for 60 years and can grow up to **105cm**.
[More snapper maths and statistics information can be found here.](#)

- **Common triplefin** - these grow to between **4cm and 8cm**



- **Kina** can live for 20 years and can reach sizes from **15cm to 20cm** across.



- **Scallops** need to be at least **100mm (10cm)** across if you are collecting them in the Hauraki Gulf.



Scallop minimum size 100mm

- **Pāua** need to be at least **125mm (12.5cm)** long if you are collecting them in the Hauraki Gulf.



Ordinary/Blackfoot pāua minimum size 125mm

- **Kingfish** can grow to more than **1.5metres (150cm)**. The smallest kingfish you can catch and keep in the Hauraki Gulf is **75cm**.



Kingfish minimum size 75cm

You might need to go outside to measure these!

1 metre is about 1 large step.

- **Dolphins / aihe - Maui dolphins** are only found in Aotearoa (they are endemic). They are very endangered - there are only about 60 left! They are the smallest dolphins in the world and grow up to **1.5metres (150cm)**. **Bottlenose dolphins** can grow up to **3.9metres**.



- **Orca / kākahi** - can grow up to **9 metres** long. They are the largest of the dolphin family.



- **Whales** - Did you know that 22 different types of whales have been found living in NZ waters! Some of them are very rare, but some that are seen more often are **Brydes Whales** can grow up to **15metres long**, **Sperm Whales** can grow up to **18 metres long**, **Blue Whales** that visit NZ waters can grow up to **26.5metres!** *More whale information on Te Ara.*



Extra

- Can you list these in order of size?
- Measure how tall you are. Which of these sea creatures is closest in size to you? Which ones are smaller than you? Which ones are bigger than you?

