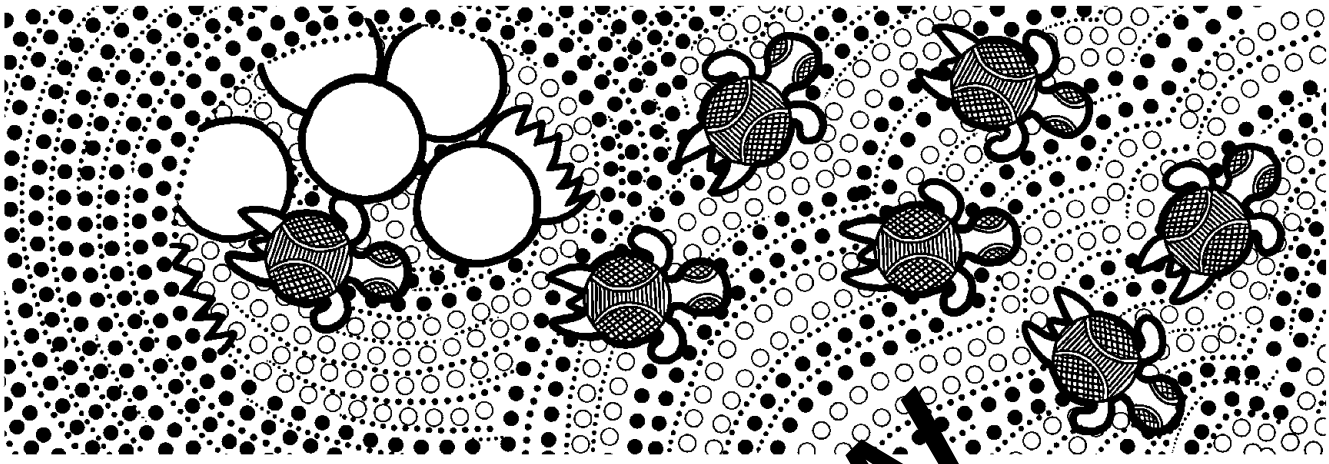
Maths 3 Activity

*Organising idea: O1.5
*Content descriptor: ACMNAO78 (Year 4)

❑ Australian Aborigines and Torres Strait Islanders are entitled to eat turtle eggs as part of their traditional diet. Three female green turtles have each laid 120 eggs in nests in a section of a beach on the Great Barrier Reef.



1. An indigenous person opens a green turtle nest to collect some eggs. She takes 1/3 of the eggs. She then goes to the second nest and takes 1/4 of the eggs. Finally, she collects 1/5 from the third nest.

How many turtle eggs in total does she take home? ☐

2. It is the custom for an Elder to divide the eggs among the band according to need. She gave one family 30 eggs and another family 32 eggs.

How many eggs did the third family receive? ☐

3. Each family group received turtle eggs that were yolkless. This means that the eggs were infertile. The first family received 3 yolkless eggs, the second family received 4, and the third family received 5. Express the number of yolkless eggs that each family received as a fraction.

Family 1: ☐ **Family 2:** ☐ **Family 3:** ☐

4. When baby turtles hatch and dig their way out of the nest, they have to make a mad dash to the ocean to avoid being eaten by seabirds and crabs. About 50% of hatchlings do not survive the journey to the ocean.

If there were 9 green turtle nests in total on a beach with an average of 95 fertile eggs in each nest, estimate how many baby turtles might have reached the ocean.

I estimate that ☐ **hatchlings reached the ocean.**