> **Notes for parents. Activity next page.**

The purpose of this task is to have your child:

- to understand and sensibly compare the relative weights (mass) and lengths of given animals, by applying their knowledge of measurement units, and their place value understanding that a number with one more zero is ten times bigger

Think about this:

- Make sure that a pencil and paper are available.

- Notice that the measurements themselves are approximate, and therefore the task uses the words 'about how many times…'

- Have your child understand that the task involves rough relative size comparisons rather than exact calculations.

  For example: 'The killer whale is ten times heavier than the dolphin, and bit over twice its length.'

- As you and your child discuss the length measurements, you may want to use a tape measure to physically show just how long each creature is.

- This task may generate an interesting and valuable measurement discussion between you and your child.

Write down what you notice.
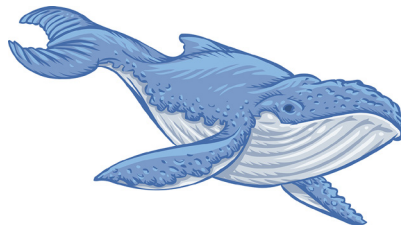
	Bottle-nosed dolphin	Blue whale	Killer whale
Birth weight	about 15 kg	about 2500 kg	about 150 kg
Birth length	1.2 m	7 m	2.6 m
Adult weight	about 300 kg	about 150,000 kg	about 2,500 kg
Adult length	2.5 m	25 m	7 m

- The birth weight of a killer whale is about how many times the birth weight of a dolphin?

- The birth weight of a blue whale is about how many times the birth weight of a killer whale and the birth weight of a dolphin?

- About how many times greater is the **birth length** of the blue whale than that of the killer whale and the bottle nosed dolphin?

- Now compare the **adult weights and lengths** of these sea creatures.