**Learning Objective**

We are learning how to solve a natural world problem by using and applying our knowledge of fractions and division.

**The Problem:**

We throw 8,000,000 tonnes of plastic into the sea each year.

1) If we halve the amount of plastic we throw away each year…

1. How many tonnes would we be producing after ten years?
2. How long did it take us to get below 100,000 tonnes?

2) What if we quarter the amount of plastic we throw away each year?

**Recording:**

Use this space to show your working out*.*

Starting point: 8,000,000 tonnes

After the first year:

**Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**