**Learning Objective**

We are learning how to solve a natural world problem by using and applying our skills and knowledge of multiplication and scaling.

**The Problem:**

Pandas spend nearly the whole time they are awake (at least 12 hours a day) feeding on bamboo. They eat around 1kg of bamboo each hour.

**If the wild population of pandas is now 1,900, how much bamboo is required each day to sustain the panda population?**

**How much bamboo does the panda population consume in a week, in a month, or even a year?**

**Recording: Use the table below to help you organise your calculations and show your working clearly.**

|  |  |  |
| --- | --- | --- |
| In Kg: | 1 Panda | 1,900 Pandas |
| Day |  |  |
| Week |  |  |
| Month |  |  |
| Year |  |  |

**Questions for consideration:**

1. How might you partition the amount one panda eats in a day to multiply it by 1, 900 efficiently?
2. Would partitioning 1,900 be helpful?
3. Could you estimate?
4. Could you use rounding?
5. Could you use factors to break down the multiplication into easier stages?