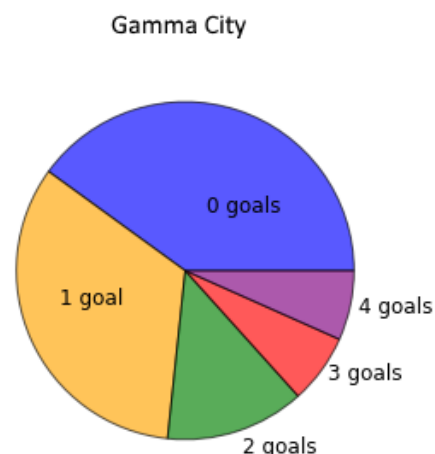**Age 14+ Level ★★**
Worksheet 2

1. **Gamma City**
   Gamma City have played fifteen games
   in their league.

   The pie chart shows how many goals
   they scored in each of their matches.

   Can you find the mode and median
   number of goals scored by Gamma
   City?

   Gamma City

2. **Mean Median**
   The mean weight of five children is 45 kg.

   The mean weight of the lightest three children is 42 kg and the mean
   weight of the heaviest three children is 49 kg.

   What is the median weight of the children in kg?

3. **Acceptance Rate**
   The mean number of students accepted by a school in the four years
   2007 to 2010 was 325.

   The mean number of students accepted by the school in the five
   years 2007 to 2011 was 4% higher.

   How many students did this school accept in 2011?

4. **A Mean Calculation**
   Can you work out the mean of this set of numbers without using a
   calculator?

   97   97   98   99   99   99   100   100   101   101   103   104   104   105

These problems are adapted from UKMT (ukmt.org.uk) and WMC (competition.ac) problems.