November/December 2013

Department of Mathematics

PROBLEM SOLVING CHALLENGE

1. **When the coach counted the number of players who attended a training session, she noted that there were less than 100 in attendance. When she counted them in 2's, 3's, 4's, 5's and 6's there was always one player left over. How many attended the session?**

2. **In Mr and Mrs Smith's family, there are 7 sisters and each sister has one brother. Including the parents, how many are in the family?**

3. **Change the position of <u>only one digit</u> in this equation to make it true.**

   101 – 102 = 1

4. **A Builder erected a fence around his garden so that it formed a square made with 10 posts on each side. How many fence posts did he need to complete the job?**

5. **A mathematics test has 25 questions. Four points are given for each correct answer and 1 point is deducted for each incorrect answer. If Sean answered all questions and scored 35, how many questions did he answer incorrectly?**

Answers on an A4 sheet with your <u>Name</u>, <u>Year</u> and <u>Class</u> should be handed into the box in the office before 4pm on Friday 13th Dec

Monthly Prizes for both Junior and Senior Cycle.*

Good Luck.