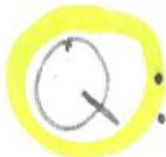Question 1 – Matthew Nocton

Tie Breaker

This Christmas, there is a festive, fancy dress 5km cross country race. The competition is between Miss Coni, Mr McFarland and Mr Lascelles.

Miss Coni arrives as a Christmas fairy, Mr McFarland is dressed as One of Santa's little helpers and Mr Lascelles comes as a jolly Father Christmas! Miss Coni sets off at a speed of 11.56 KPH. However, to be fair, Mr McFarland is told to set off 4 minutes later. He runs at a speed of 13.48 KPH. The Headmaster sets off 5 minutes after Miss Coni and he runs at a speed of 14.3 KPH.

Q: What is the order they finish in and what are their Times?

Question 2 – Abi Evans

If Father Christmas weighs 200kg before Christmas and he eats 1 mince pie at each house he visits, how much will he weigh after Christmas if each mince pie makes him gain 0.01kg and he visits 336 milion houses? if for every hour he runs on the treadmill he loses 10kg how long will it take him to get back to 200kg?