

INTRODUCTORY STATISTICS

INVESTIGATION

OPEN-ENDED INVESTIGATIONS

At precisely 7.12 pm on Monday 12th July 2012, the Australian Bureau of Statistics stated that there were 26 140 162 people in Australia. This number increases by 1 person every 2 minutes.

Refer to this information to work out your estimate in the following problems.

Problem 1 – The Australian CEO of McDonald's stated that 2% of all meals purchased in Australia in 2012 came from McDonald's. How many Big Macs would be purchased in Australia in 2013?



Problem 2 – At Cornell University in USA in 2010, a human behaviour study showed that lies that people confessed to saying made up 14% of emails, 27% of personal conversations, and 37% of telephone calls. How many lies are said in telephone phone calls in the city of Sydney each day?



Problem 3 – How many pianos are in Australia today?