



## MATHAROO Worksheet UP – 05 20

Student Name: \_\_\_\_\_

Grade: \_\_\_\_\_ Date: \_\_\_\_\_



1. Yo-yos are back, it seems. One smaller supermarket chain is offering a “FREE” Duncan yo-yo to customers who purchase two 600-millilitre bottles of soft drink. (Too much sugar, perhaps?) Express the total **VOLUME** of soft drink in those two bottles in **LITRES** as a **MIXED NUMBER**.



2. The population of Australia at the end of the year 2001 was 19,386,461 people. By the end of 2019, that population had grown to 25,415,797 people. What was the **AVERAGE (MEAN)** population growth **PER YEAR** over that time?

3. With Easter not far away, caravan sales are expected to increase over the next few weeks. At one caravan show, the cheapest caravan (pretty small!) sells for \$16,990 while the most expensive luxury caravan sells for \$82,678. How many of the cheapest vans could be bought for the price of one luxury caravan?



4. Electric car sales around the world vary greatly from country to country. In Norway, 46% of cars sold last year were electric. Compare this with Iceland (25%); China (5%) and Australia (5%). Show these results on a labelled graph.

5. A 16-day cruise to Scandinavia (Norway, Sweden, Finland, Denmark, Iceland, etc.) was advertised recently at the special price of \$4,800. At that price, what is the **AVERAGE** cost per day to go on that cruise?



6. The **PERCENTAGE** of adults having passports varies greatly in countries around the world. Some examples: Australians (57%); Canadians (60%); New Zealanders (70%); British (75%); North Americans (42%). Using these figures, in **WHICH OF THESE COUNTRIES** do you think the greatest number of passports is issued? Give your reason(s). (Think about it!)



7. There are now 134 Cricket Clubs across Australia catering for girls and boys in the age range 5 to 12 years. If the average membership of each club is 24 members, and there are equal numbers of girls and boys in each club, how many boys are there in these clubs?



8. **Open-Ended Question:** The **DIFFERENCE** between two four-digit numbers is 139. What might those two numbers be? Give 3 possible solutions.