MATHAROO

helping kids j**u**m**p** into maths

Student Name: _____

Grade:_____   Date:_____

1. The local florist is a small town sold $4,500 worth of flowers during the Valentine's Day week. The florist paid 15% of that money for the stock of flowers. How much profit did the florist make?

2. To support bushfire victims, one TV "breakfast show" travelled to areas of Australia suffering from recent bushfires. On Thursday they were in Narooma, NSW and on Friday they were in Batemans Bay. The road distance between these two towns is 75 km. How long would it take to ride a bike that distance at an average speed of 30 kilometres per hour?

3. Sales of electric cars in Australia over the past 3 years have been as follows: 2017 – 2,280 cars; 2018 – 2,220 cars; 2019 – 6,718 cars. Draw a bar graph showing these figures.

4. Looking at **YOUR** graph in Question 3 above, what would your estimate be of sales of electric cars in Australia for the whole year of 2020? Check with your friends, and see if you all agree within a "tolerance" range of 10%.

5. The local Council swimming pool is 25 metres wide by 50 metres long, with an AVERAGE water depth of 1.5 metres. Find the **VOLUME** of water in that pool, in cubic metres.

6. Here, at left, is a photo of Prime Minister Scott Morrison, when he was starting Primary School at the age of 5. Estimate the length, in centimetres, of the part of his tie that we can see in this photo.

7. In the half-time interval at the U.S. Superbowl last weekend, TV commercials cost sponsors $8.4 million for a 30-second commercial. If there were 8.5 minutes of 30-second ads at that time, how much money was spent on those 30-second commercials?

8. In a "**RUN FOR THE KIDS**" fundraiser, runners were given a choice of running a 5 km or 15 km course. If there were 4,500 participants, and 30% of them chose the shorter course, what was the **TOTAL** distance covered in the event by ALL of the participants?

9. **Open-Ended Question:** Ryan had some money (more than $8) to buy a Valentine Day gift for his girlfriend. He spent **EXACTLY** one-seventh of his money on a Valentines Day card, and the rest on a gift. How much money **MAY** he have had to spend on these two things? Give 3 possible answers.