

Student Name: _____

Grade: _____ Date: _____



1. In the new “**HOUSE RULES**” 2019 TV series, the judges are Wendy Moore, Laurence Llewelyn-Bowen and Jamie Durie. What **PERCENTAGE** of the judges are male? (Give your answer correct to 2 decimal places.)



2. The newest Royal Baby, “**Archie Harrison Mountbatten-Windsor**”, weighed 3kg 260g at birth. Cousin Prince George weighed 3kg 799g, Princess Charlotte weighed 3kg 714g and Prince Louis weighed 3kg 827g. Find the **AVERAGE (MEAN)** weight of these 4 babies at birth. What is the median weight, and the mode?

3. Statistics show that teachers often pay for some classroom supplies out of their own pockets. Of the 600 teachers surveyed, 44% spent up to \$250 of their own money. 36% spent between \$251 and \$500, and 7% spent more than \$1,000 in the surveyed year. Of the sample group, how many spent **NONE** of their own money on classroom supplies?



4. Some large department stores are having clearance sales of summer goods, by rounding **DOWN** their prices to **WHOLE NUMBERS OF DOLLARS**. If a shirt **WAS** selling for \$24.49, what is its sale price? And if the store sells 15 of these shirts at the lower price, how much money are they sacrificing for those sales?

5. In a well-known ballet, “**SWAN LAKE**”, there are usually 16 “swans”. But in a new version of that show, there are 48 “swans”. What percentage increase is that from the usual number?



6. The new Samsung Galaxy S10 phone costs \$1,750 to buy outright, but on a phone contract it costs \$2,616 for a full 24 months. How much does each **MONTH** of phone usage cost Josh, if he subtracts the price of the phone itself from the contract price?

7. QANTAS is introducing new packaging on flights, to try to reduce waste by recycling as much as possible. They estimate that, right now, their wastage each year is equivalent to 80 fully-laden Boeing 747 jumbo jets. If they are only partly correct with that estimate, what **PERCENTAGE** saving do **YOU** think would be acceptable? Answer in “**JUMBO-JETS’-FULL**”.

8. **Open-ended Question:** How many triangles are there in this diagram? (Be careful. Most people get this wrong!)

