**Mean Challenges (it’s ok they’re not that mean!)**

1. Kevin scored the following points for his basketball team. 18,12,15,0,16, and 23. What was the average number of points he scored per game?
2. At a cattle sale a farmer sold four steers at an average price of $650 each and six heifers at an average price of $620 each. What was the average price of all cattle sold?
3. Peter averaged a score of 75% over his four mental maths tests in term four and a disappointing 45% in his 8 spelling tests during the same time. If one of Peter’s scores for his maths test was 50% what could his three other scores be?
4. The average mass of six people in a group is 60kg. If Karen leaves the group the average drops to 58kg. What is her mass?
5. Steve Smith had an average score of 24 after the first 5 innings of the Ashes series. After his next innings his average improved to 37. What did he score in his 6th innings?
6. There are six children in the Long family. The average age of the four boys is 12. One of the girls is 5. If the average age of the six children is 10, how old is the other girl?
7. Two motor vehicles travels 48km to the new netball stadium in Mandurah. Motor vehicle A arrives in 36 minutes, while motor vehicle B has some issues traffic and they arrive 24 minutes later. What is the average speed of both vehicle A and B? (hint: average speed = distance travelled/time)
8. The new A380 aircraft travelled 4620km in 3 hours and 15 minutes mins. What was the average speed of the aircraft’s journey?

**Challenge**

Create an in-class Olympics with fun events you can perform in the classroom and calculate the different averages for each event (minimum of 3 competitors). For extra enjoyment estimate your averages first.

For example:

* the average time it takes to rule up a page
* the average time it takes to fill up a water bottle
* the average time it takes to read a page from Harry Potter aloud.