

Paul and Habiba pick two numbers each from those below. Neither of them picks the same number as the other.

137,776      140,816      157,776      138,376

Paul has picked a number that rounds to 138,000 when rounded to the nearest 1,000.

Habiba's first number has 1,408 hundreds in it.

Paul's second number is twenty thousand more than his first number.

What numbers did Paul and Habiba choose? Explain how you know.

Extension: Write your own version of this question using 7-digit numbers.

The population of Togo is eight million. The population of Hong Kong is 7.43 million.

Hadir says, 'The difference between them is less than half a million'.

Is he correct?

Convince me.

Make a 7-digit number that fits the following criteria:

- The digit sum is 8
- The thousands digit is 0
- It is a multiple of 8

Is it the largest number you can make?