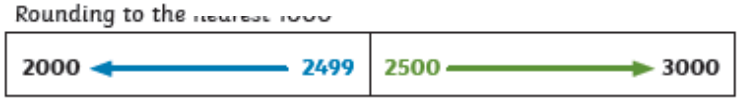
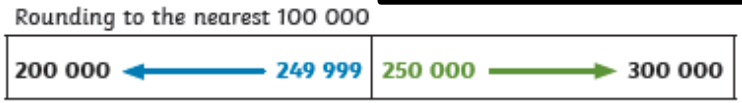
Number and Place Value Knowledge Organiser

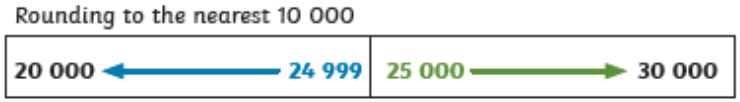
Key Vocabulary
ten million
million
thousands
hundreds
tens
ones
units
zero
place value
greater than
less than
order
round
rounded

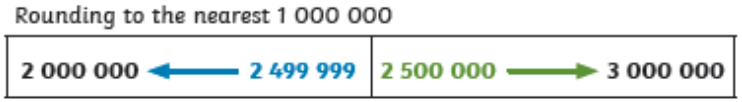
Rounding











Rounding Rhyme

Find your place

Look next door

5 or greater add one more,

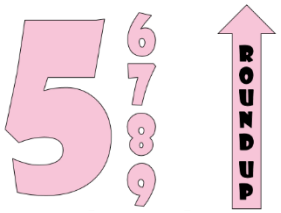
4 or below, just ignore

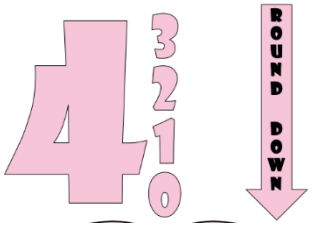
All digits in front, stay the same

All digits behind, zeros, your name

Rounding makes it easier to talk about and understand numbers.

We round numbers in order to make numbers simpler to work with, to estimate answers or to explain how near a number is to another number.

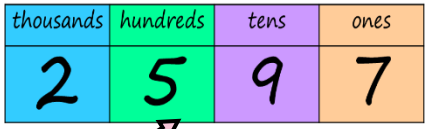




Rounding Top Tips

Example: Round 2597 to the nearest thousand…

1. **Go to the digit in the thousands place – this is called the rounding digit.**
2. **Look at the next digit to the right – this is called the decider digit. It is used to decide whether to round up or down.**
3. **If the decider digit is less than 5, then round down – the rounding digit remains the same, and all the digits to the right are zeros. If the decider digit is 5 or more, then round up – the rounding digit increases by 1, and all the digits to the right are zeros.**



Here it is 5, so we need to add 1 to the thousands and numbers to the right are zeros.

3000