

Master Rounding within 10,000

In this step, pupils consolidate their learning so far by rounding 2, 3 and 4-digit numbers to the nearest 10, 100 and 1,000. They will use their previous knowledge of number lines and consider multiples of 10, 100 and 1,000 before and after a given number. They will understand the significance of the ones digit when rounding to the nearest 10, the tens digit when rounding to the nearest 100 and the hundreds digit when rounding to the nearest 1,000 to decide whether to round up to the next multiple of 1,000 or down to the previous multiple of 1,000. Pupils will develop their learning by identifying a range of numbers which round to a specific multiple of 1,000. For example, all numbers between 5,500 and 6,499 round to 6,000



- The multiples before and after ___ are ___ and ___
- ___ rounded to the nearest 100 is ___
- When rounding to the nearest 100, look at the ___ digit.
- ___ is nearer to the _____ multiple of 100



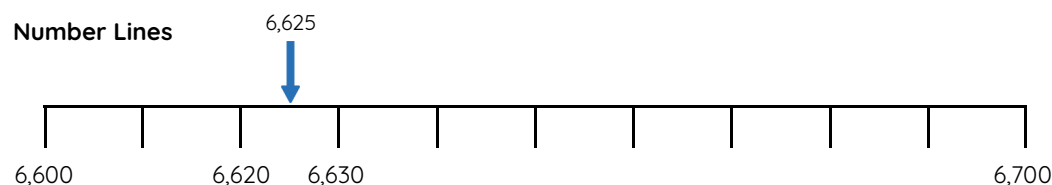
- nearest / nearer to
- rounded to
- next / previous
- multiple



- Pupils may be insecure in the parameters of rounding, especially when rounding a 5 or 0 digit and may not realise that a number can round to zero.
- Pupils may not realise that numbers can round to the multiple before a given number.

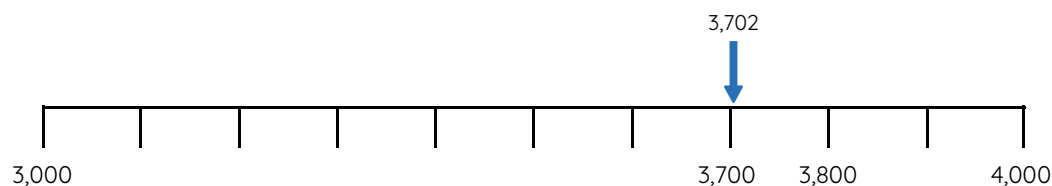


Number Lines



6,625 to the nearest 10 is 6,630

6,625 to the nearest 100 is 6,600



3,702 to the nearest 100 is 3,700

3,702 to the nearest 1,000 is 4,000



- identify the multiples of 10, 100 and 1,000 before and after a given number.
- accurately round a given number to the nearest 10, 100 and 1,000
- identify the range of numbers which round to a specific multiple of 10, 100 and 1,000
- explain their understanding using 'Decide, Assess, Back up' with representations.

