



Year 5 objectives

Place value

- Read, write, order and compare numbers to at least 1000000 and determine the value of each digit.
- Count forwards or backwards in steps of powers of 10 for any given number up to 1000000.
- Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers including through zero.
- Round any number up to 1000000 to the nearest 10, 100, 1000, 10000 and 100000.
- Solve number problems and practical problems that involve all of the above.
- Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.

Addition and subtraction

- add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
- add and subtract numbers mentally with increasingly large numbers
- use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
- solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Tasks/activities informed by National Curriculum:

1. Read and write numbers beyond 1000.
2. Solve reasoning and problem solving questions relating to place value in the thousands and beyond.
3. To round numbers up to 1,000,000.
4. To add and subtract in columns including exchanging.
5. To answer reasoning and problem solving questions about exchanging including true or false questions and missing number questions.
6. To read data in a range of forms and answer questions about it.
7. To present data on a computer using Excel.

Vocabulary:

Place value, Order, Compare, Digit, Count, Round

Add, subtract, exchange, columns, place value, place holder, estimate, round, inverse operation, check

Graph, Line graph, Axis, Scale, Comparison, Sum, Difference

Selected Resources

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|------------------------|---------------------------|--------------------|
| * Whiteboards and pens | * Place value charts | + Greenhouse words |
| * Number flippers | * Interactive whiteboards | * Working wall |