

Year 4 Doves Mathematics Autumn 1

Number Place value Addition and subtraction

Roman Numerals

Roman numerals are written with a combination of symbols. There is a maximum of three similar symbols in a row.

I = 1 V = 5 X = 10 L = 50 C = 100

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| Key Vocabulary | | Definition |
|----------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Place Value | Greater than | Represented by the symbol (>) it shows the value on the left is bigger than the value on the right. |
| | Less than | Represented by the symbol (<) it shows the value on the left is smaller than the value on the right. |
| | Order | Where numbers are ranked from smallest to largest or from largest to smallest by looking at the largest place value and comparing the digit. |
| | Partition | Break a number up into ones, tens, hundreds and thousands. |
| | Place value | The value of each digit in a number. |
| | Rounding | Simplifying a number to its nearest 10, 100 or 1000. |
| Addition and | Addition | Adding two or more numbers together, making a larger number. |
| | Compare | Explaining if numbers are greater than or less than other numbers. |
| | Estimate | Making a sensible guess about an answer by using rounding before calculating. |
| | Exchange | Moving an amount from one part of a calculation to another so it is easier to do the calculation. |
| | Subtraction | Subtracting two or more numbers from each other and making a smaller number. |

Addition

$$\begin{array}{r}
 2151 \\
 + 4352 \\
 \hline
 6503 \\
 1
 \end{array}$$

When you add digits together and the answer is more than 1 digit, you need to exchange it to another digit for the place value on the column's left.

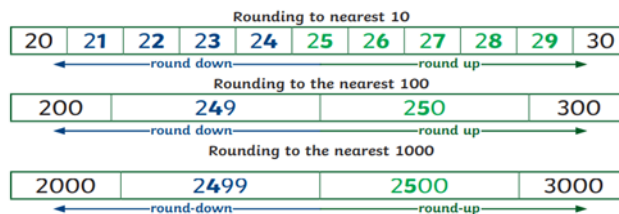
Subtraction

$$\begin{array}{r}
 31 \\
 \cancel{4}154 \\
 - 1522 \\
 \hline
 632
 \end{array}$$

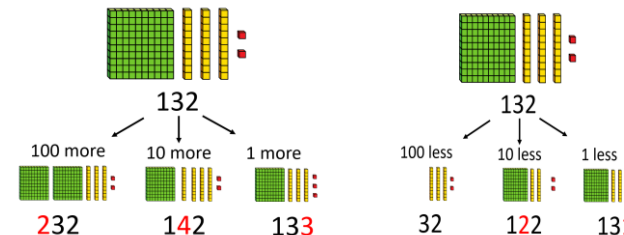
When you subtract digits and you do not have enough to be able to subtract then you need to exchange from the next column, creating 10 more of the required amount.

Rounding

When you are rounding, look at the place value column to the right of the value you are rounding to. If the digit is 0 – 4, the number rounds down (stays the same digit) whereas if the digit is a 5 – 9, then the number rounds up and the required column goes up by 1 more.



Partitioning to find 1, 10, or 100 more or less



When we find 1, 10 or 100 more or less, be careful to notice which