

Year 1 - Number: Addition and Subtraction (within 20)

National Curriculum Aims

- Represent and use number bonds and related subtraction facts within 20
- Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.
- Add and subtract one-digit and two digit numbers to 20, including zero.
- Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$

Key Vocabulary

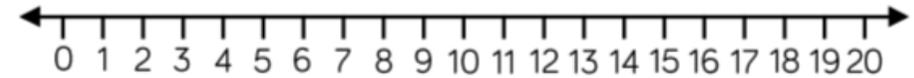
Addition	The action of adding something to something else
Count	To determine the total number of (a collection of objects)
Difference	The result of subtracting one number from another
Equal	Being the same in size quantity or value
Fact Family	A group of maths facts using the same numbers
Number Bond	A simple sum that can recognised and completed instantly (recall)
Partition	Way of working out maths problems by splitting them into smaller units so they are easier to work with.
Part whole model	Refers to how numbers can be split into parts and the relationship between those parts.
Subtraction	The action of removing objects from a collection

Home Learning



- Learn number bonds to 10 extending to 20.
- 'Hit the Button' an online game can aid learning number bonds alongside using practical objects at home.
- Look for patterns between addition and subtraction referring to fact families.

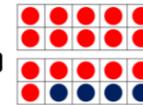
Core Knowledge and Representations



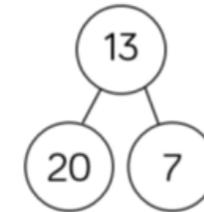
Symbols



ten frames



Part whole model



more / less

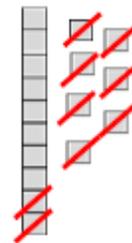


Bead string

$$13 - 5 = 8$$

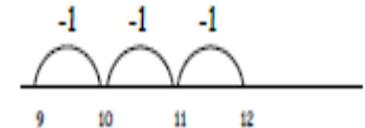


$$17 - 9 = 8$$



Practically using
Base 10
equipment

$$12 - 3 = 9$$



Part-Part-Whole Model

