
Sense of Number Visual Calculation Policy

Expanded Edition for
Toner Avenue Primary School
March 2015



Graphic Design by Dave Godfrey
Compiled by the Sense of Number Maths Team

For sole use within **Toner Avenue Primary School.**



'A picture is worth 1000 words!'
www.senseofnumber.co.uk

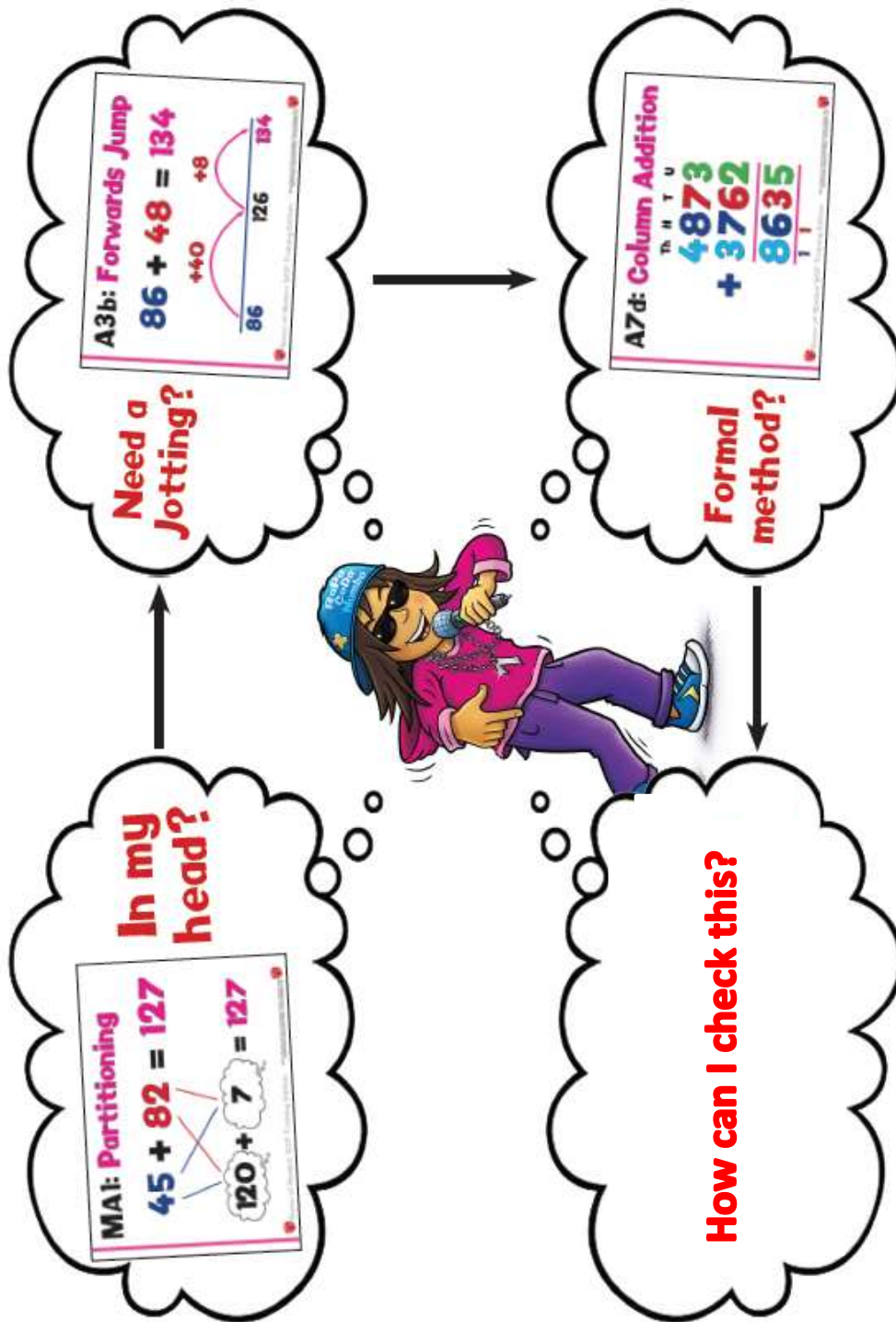


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We want our pupils to make decisions. We help our pupils make choices to be fast and efficient at maths.



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This is how we can ask and answer our questions.

KC1: Key Concepts!

Addition

+

$$8 + 2 = 10$$

“What is 8 add 2?”
Answer: 10

Subtraction

-

$$8 - 2 = 6$$

“What is 8 subtract 2?”
Answer: 6
“The difference between 8
and 2 is 6”



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KC2: Key Concepts!

Multiplication

x

$$8 \times 2 = 16$$

“8 multiplied by 2” means
“8, 2 times” or
“2 groups of 8”

Division

÷

$$8 \div 2 = 4$$

“8 divided by 2” means “How
many groups of 2 are there in
8?” Answer: 4

(“8 shared into 2 sets is 4”)



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Before we answer questions, this is what we consider.

1

**Can I do this
in my head?**



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2

**Do I need to
use a drawing
or a jotting?**



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3

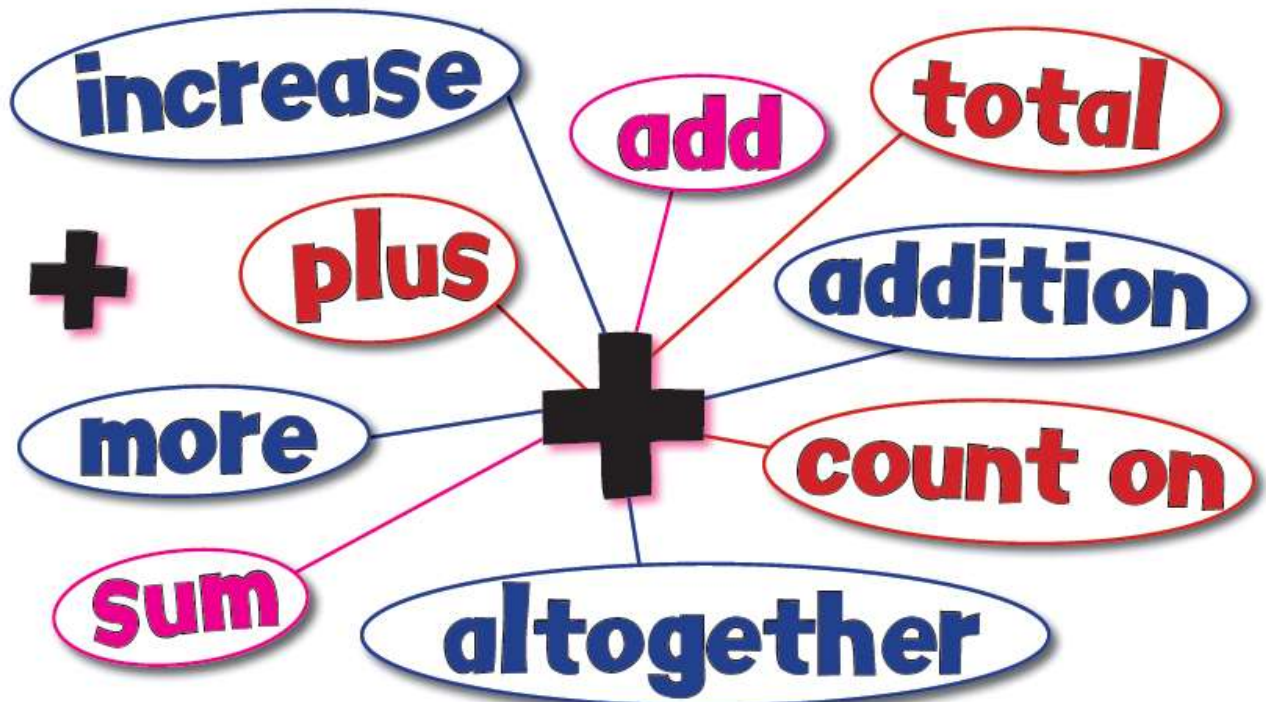
**Do I need an
expanded or a
standard method?**



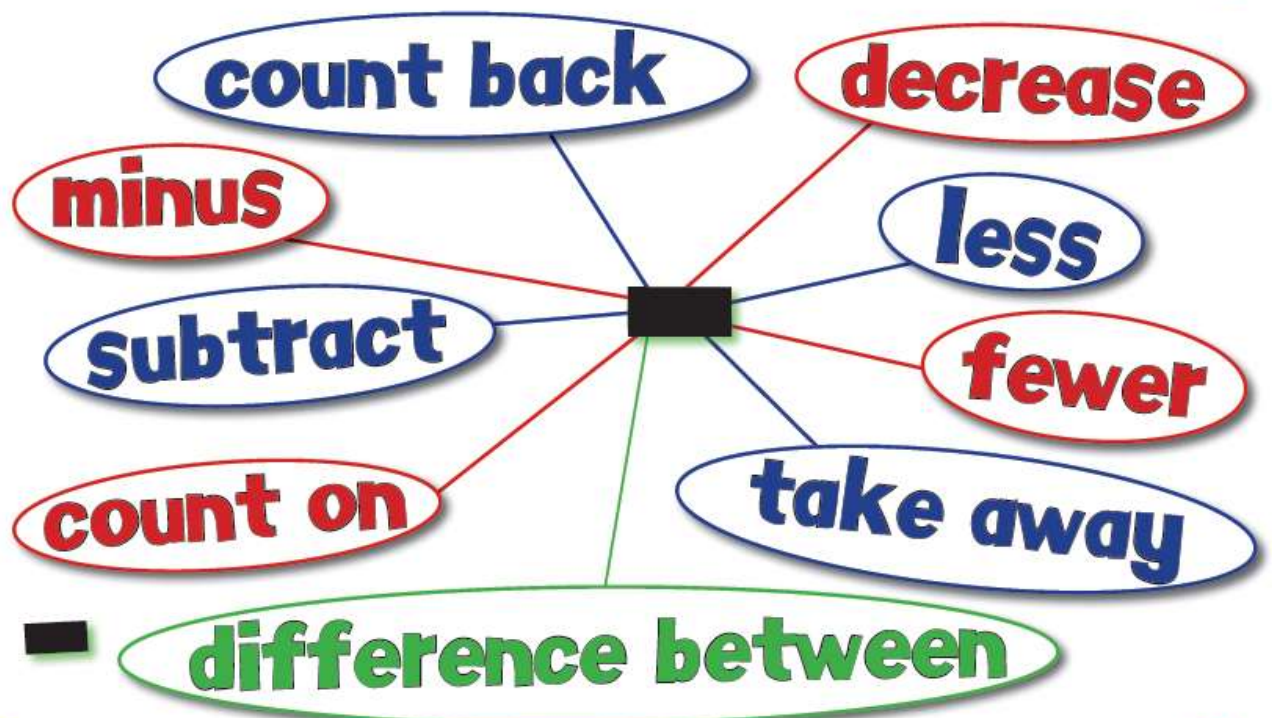
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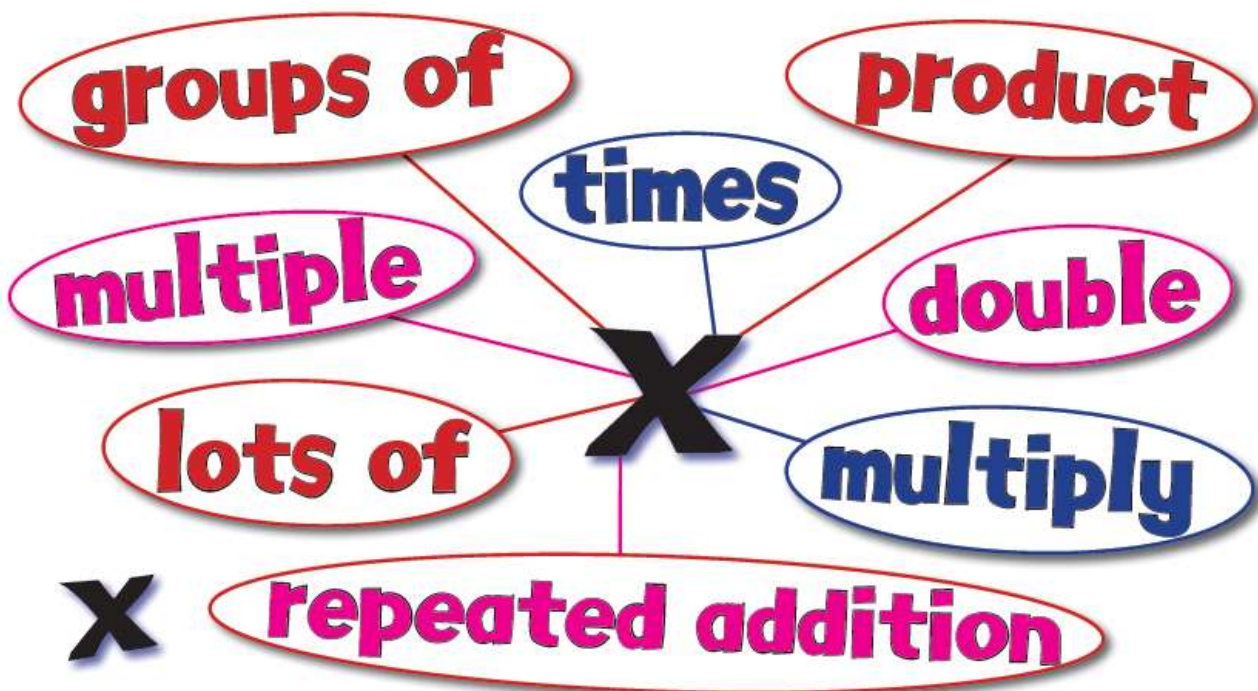
Addition Vocabulary



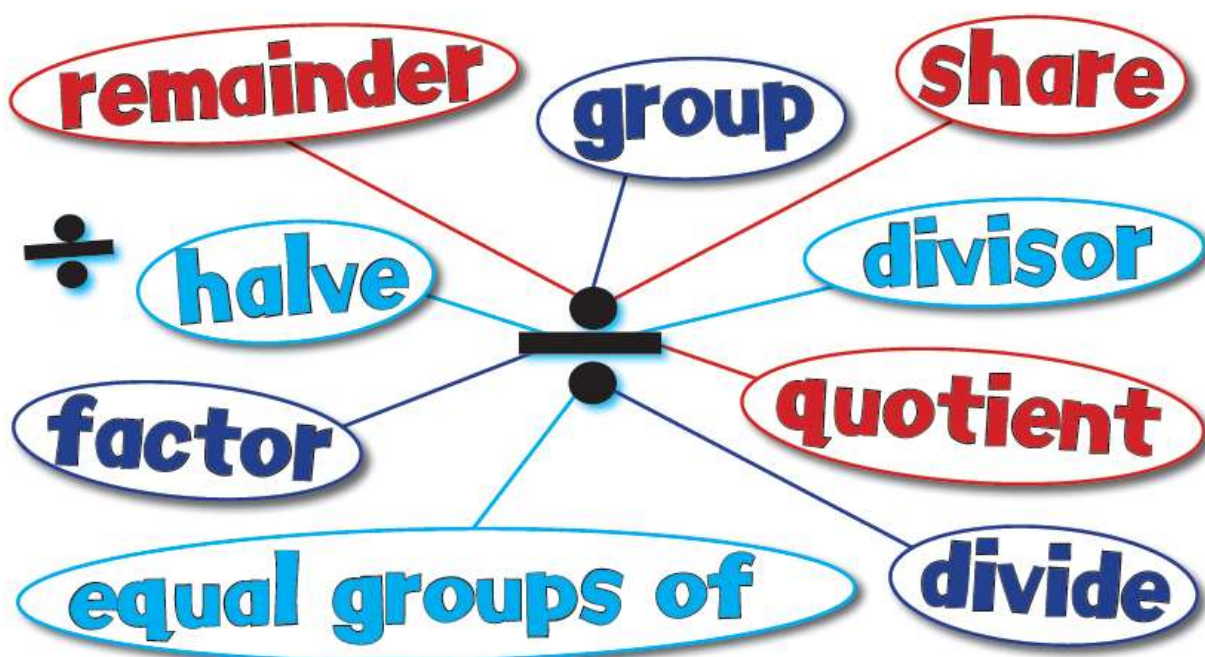
Subtraction Vocabulary



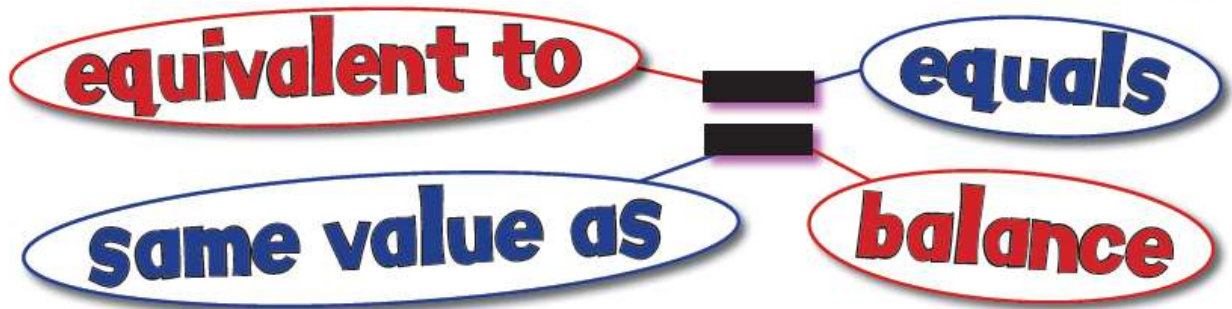
Multiplication Vocabulary



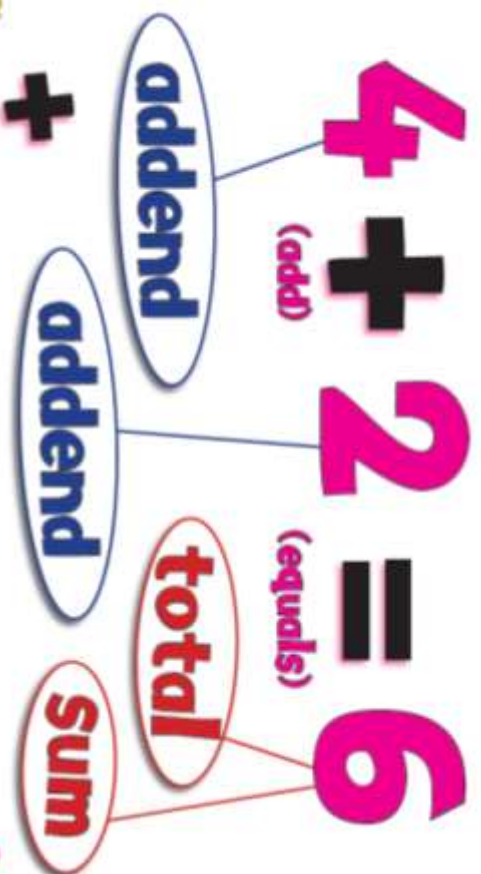
Division Vocabulary



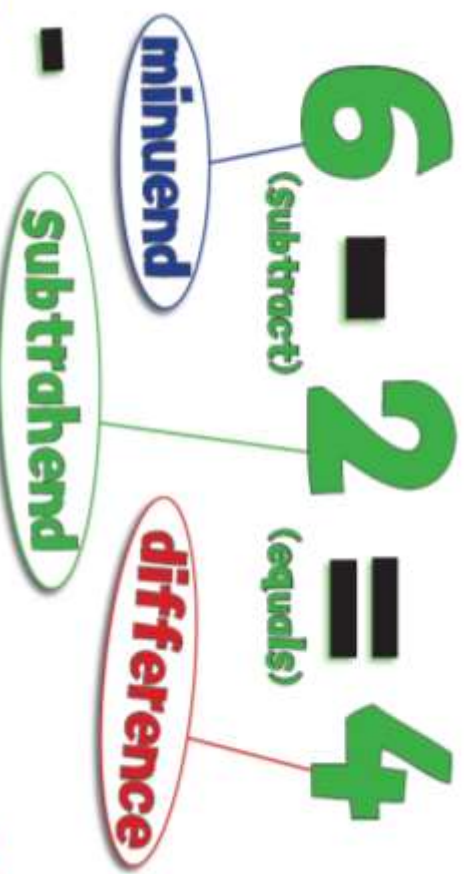
Calculation Vocabulary



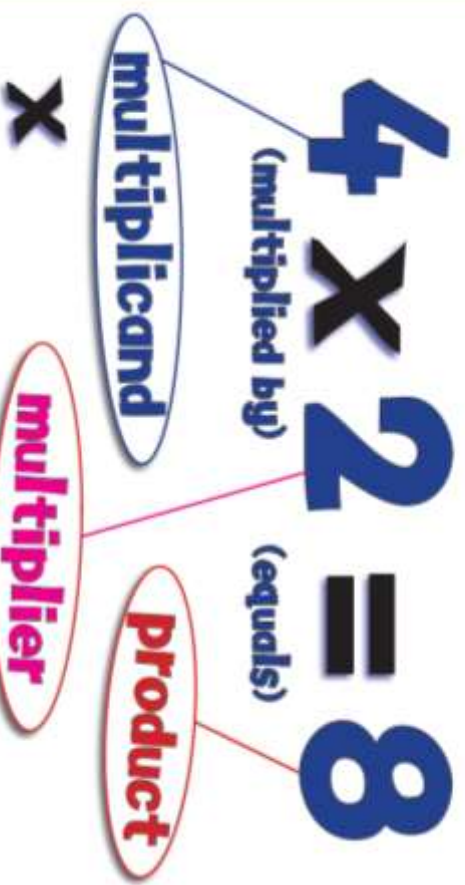
Addition Calculation



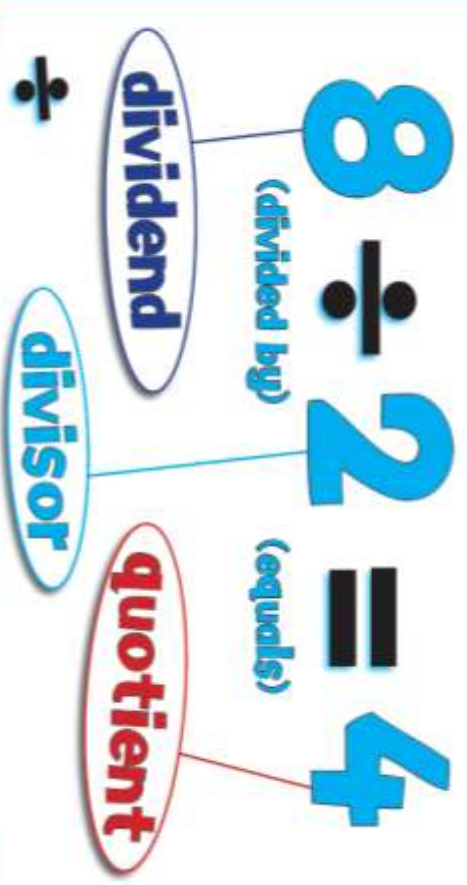
Subtraction Calculation



Multiplication Calculation



Division Calculation



Counting



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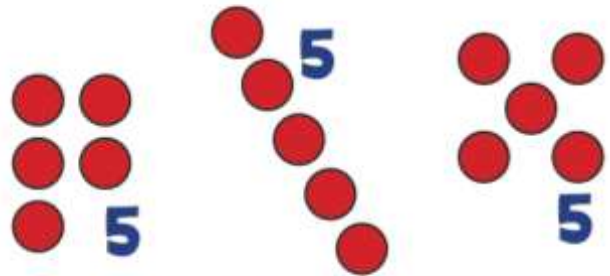
C1a: Number Order



The Numbers must be said once and always in the conventional order.

C1b: At a Glance

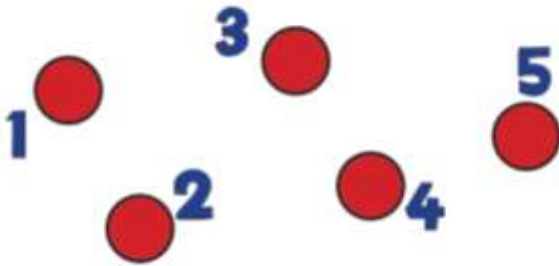
Subitising



See at a glance how many are in small collections and attach correct number names to such collections.

C2a: Number Match

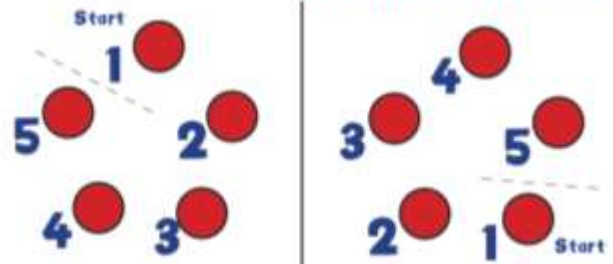
One to One Correspondence



Each object to be counted must be touched or 'included' exactly once as the numbers are said.

C2b: Counting Objects

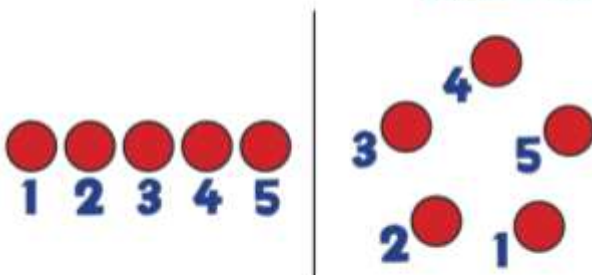
Starting Point and Order Irrelevance



The objects can be touched in any order. The starting point and order in which the objects are counted does not affect how many there are.

C2c: Order Arrangement

Arrangement Irrelevance



The arrangement of the objects does not affect how many there are.

C3: How Many?

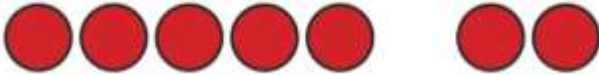
Final number is the total



The last number said tells 'how many' in the whole collection. It does not describe the last object touched.

C4: Arranging

Sets of 5



7

C4a: Arranging

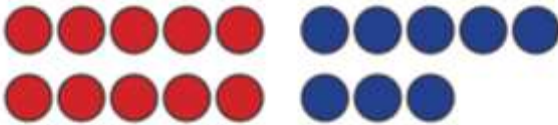
Sets of 5



18

C4b: Arranging

Sets of 5
(Non Linear)



18

C5: Counting Forwards



C6: Counting On

