Year 4, Term 2 Knowledge Organiser for Multiplication and Division and Addition and Subtraction.

Multiplication and Division

Manipulatives and strategies

If I know... then I also know...

The digit sum of multiples of 6 is 3, 6 or 9

All multiples of 6 are even numbers.

The digit sum of multiples of 9 is 9

An odd number multiplied by 9 gives an odd product.

An odd number multiplied by 7 gives an odd product.

An even number multiplied by 7 gives an even product.

$64 \times 0 = 0$
The product of a number and zero is zero.

$64 \times 1 = 64$
The product of a number and 1 is the number itself.

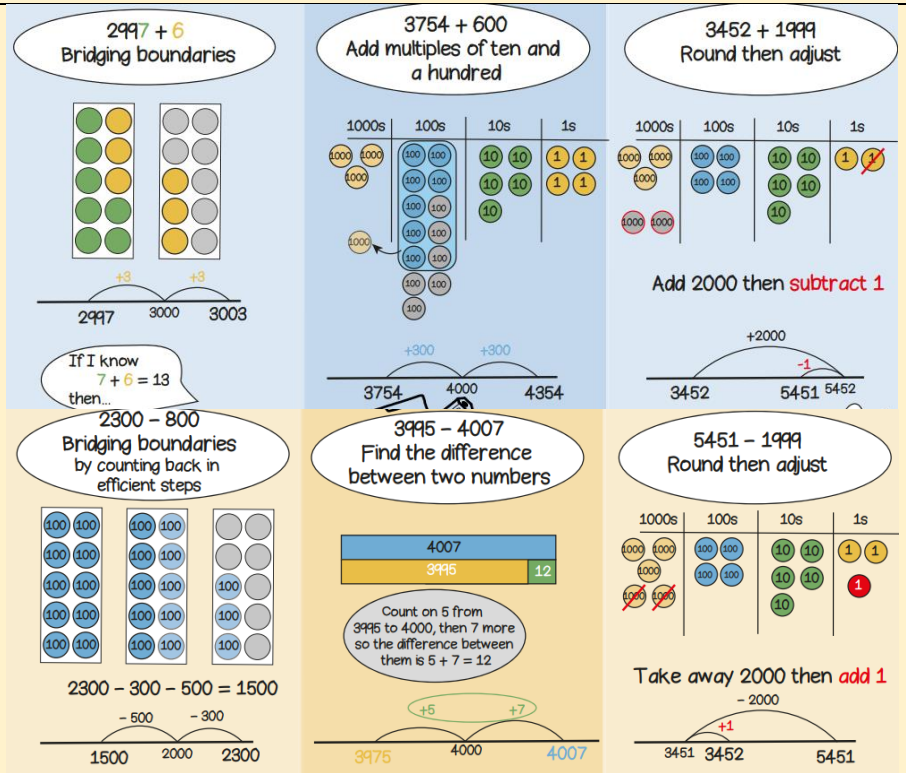
$64 \div 1 = 64$
The quotient when dividing a number by 1 is the number itself.

Vocabulary and meanings

Digit/numerals	A single number to represent values in mathematics
zero	Holds a place in a number or represents nothing.
odd	A number that is NOT divisible by 2.
even	A number that IS divisible by 2.
factor	A number that times by another number for an answer (product).
product	The result (answer) when you multiply 2 numbers (factors) together.
multiple	A product (answer that is part of a times table (where the same number is repeatedly added).
divisible	Numbers that divide a number equally with no remainder.

Addition and Subtraction

Manipulatives and strategies



Vocabulary and meanings

ones	1-digit number = 1 - 9
tens	2-digit numbers = 10 - 99
hundreds	3-digit numbers = 100 - 999
thousands	4-digit numbers = 1000 - 9999
sum	The answer when adding numbers together.
bridge	Adding 2 numbers where the sum is 10 or more.
exchange	When you exchange a 10 from the tens column to 10 ones in the ones column.