Year 2 Key Skills
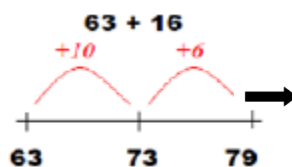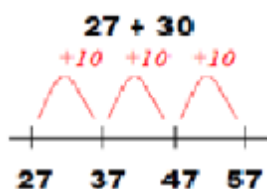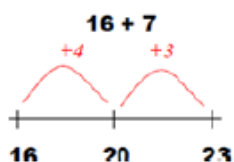
Addition

- Add a 2-digit number and ones (e.g. 27 + 6)
- Add a 2-digit number and tens (e.g. 23 + 40)
- Add pairs of 2-digit numbers (e.g. 35 + 47) and add three single-digit numbers (e.g. 5 + 9 + 7)
- Show that adding can be done in any order (the commutative law).
- Recall bonds to 20 and bonds of tens to 100 (30 + 70 etc.)
- Count in steps of 2, 3 and 5 and count in tens from any number.
- Understand the place value of 2-digit numbers (tens and ones)
- Compare and order numbers to 100 using < > and = signs.
- Read and write numbers to at least 100 in numerals and words.
- Solve problems with addition, using concrete objects, pictorial representations, involving numbers,   quantities and measures, and applying mental and written methods.
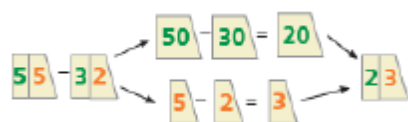
Bridge through 10 using known number facts
16 + 7 = 16 + 4 + 3
16 + 4 = 20
20 + 3 = 23
16 + 7
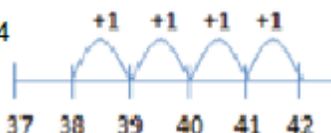
27 + 30

63 + 16

$$23 + 34 = \begin{array}{r} 23 \\ +\ 34 \\ \hline 7 \\ 50 \\ \hline 57 \end{array}$$
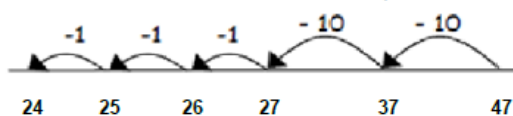
Subtraction

- Recognise the place value of each digit in a two-digit number.
- Recall and use subtraction facts to 20 fluently, and derive and use related facts up to 100.
- Subtract using concrete objects, pictorial representations, 100 squares and mentally, including: a two-digit number and ones, a two-digit number and tens, and two two-digit numbers.
- Show that subtraction of one number from another cannot be done in any order.
- Recognise and use inverse relationship between addition and subtraction, using this to check calculations and missing number problems.
- Solve simple addition and subtraction problems including measures, using concrete objects, pictorial representation, and also applying their increasing knowledge of mental and written methods.
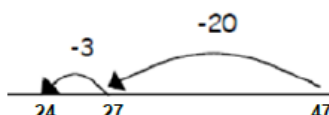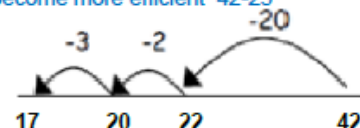- Read and write numbers to at least 100 in numerals and in words.

Estimate
Calculate
Check it!

50 − 30 = 20
55 − 32
5 − 2 = 3
23

42 — 38 = 4

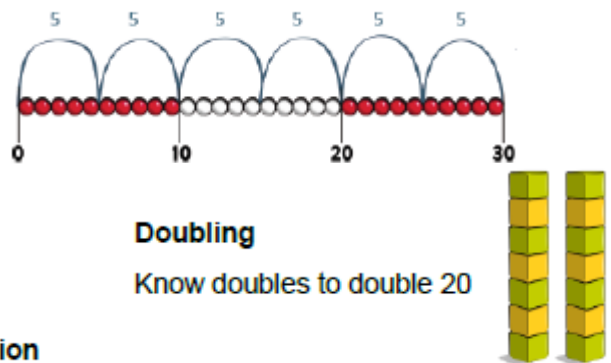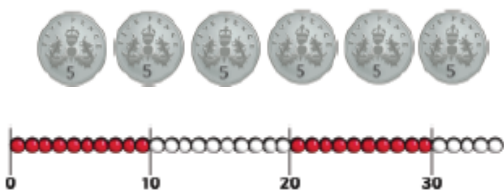Bridging through 10 will allow children to become more efficient 42-25

Year 2 Key Skills

Multiplication

- Count in steps of 2, 3 and 5 from zero, and in 10s from any number.
- Recall and use multiplication facts from the **2, 5 and 10** multiplication tables, including recognising odds and evens.
- Write and calculate number statements **using the x and = signs**.
- Show that multiplication can be done in any order (commutative).
- Solve a range of problems involving multiplication, using concrete objects, arrays, repeated addition, mental methods, and multiplication facts.
- Pupils use a variety of language to discuss and describe multiplication.

Count in 2s, 5s, 10s

Doubling

Know doubles to double 20

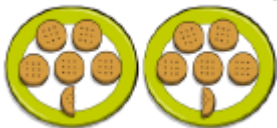**Use arrays:** $5 \times 3 = 15$

Use repeated addition

$5 \times 3 = 3 + 3 + 3 + 3 + 3 = 15$

$3 \times 5 = 5 + 5 + 5 = 15$

Division

- Count in steps of 2, 3, and 5 from 0
- Recall and use multiplication and division facts for the **2, 5 and 10** multiplication tables, including recognising odd and even numbers.
- Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the x, ÷ and = signs.
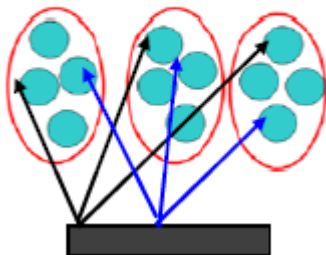
Halving

Grouping

4   4   4

Sharing:

4   4   4

Grouping using a number line

+3   +3   +3   +3

0 1 2 3 4 5 6 7 8 9 10 11 12