Maths - Year 2
Calculating 13: Adding and subtracting 2-digit numbers to 100

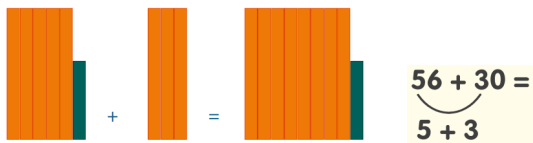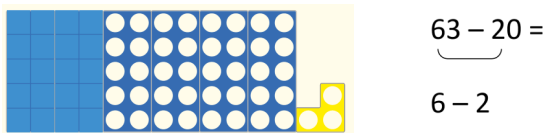| Key Vocabulary	
Subtract	Taking one amount from another.
Add	Combine two or more amounts or numbers to make a total.
Tens	Refers to the number of tens in a number e.g. on a place value grid.
Ones	Refers to how many ones in a number e.g. 34 has 3 tens 4 ones.
Whole tens/Tens numbers/multiples of 10	The result of multiplying a number by 10. Numbers in the ten times tables e.g. 10, 20, 30, 40, 50 etc.
Equals	The same in number or amount.
Partition	Splitting a number in different ways.

Mathematical Skills
- Have fluent recall of adding and subtracting facts within 10 and can use these when adding and subtracting higher numbers.
- Use partitioning into quantity and column values when adding and subtracting 2-digit numbers.
- Communicate effectively about different strategies for calculating.
- Write additions and subtractions in columns when it supports the mental strategy for finding the answer.

Mathematical Methods
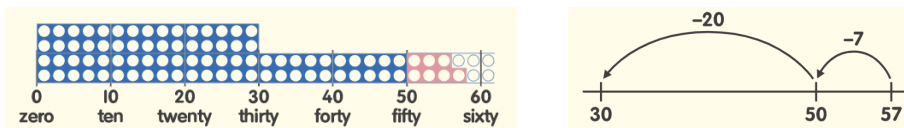
- Adding multiples of 10 to 2-digit numbers e.g. 56 + 30.

$$56 + 30 =$$
$$5 + 3$$

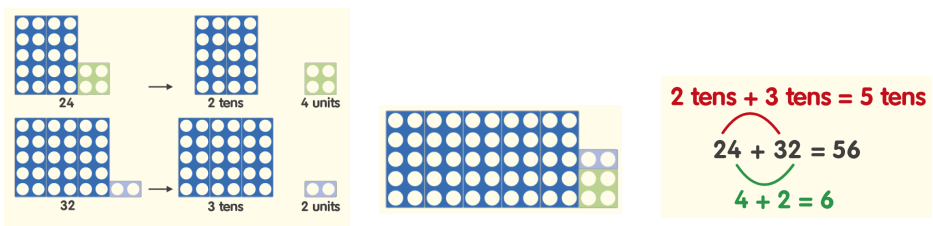- Subtracting multiples of 10 from 2-digit numbers e.g. 63 - 20.

$$63 - 20 =$$
$$6 - 2$$

- Using the 100 square when adding or subtracting multiples of 10 to or from 2-digit numbers e.g. 27 + 30.
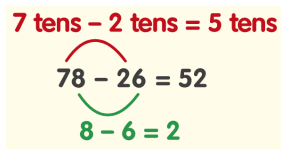

- Finding the difference and 'how many more?' between 2-digit numbers and multiples of 10 e.g. the difference between 57 and 30.

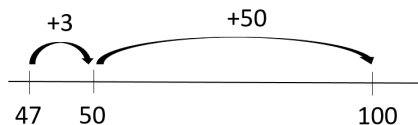- 2-digit numbers added to 2-digit numbers without bridging a multiple of 10. e.g. 24 + 32.

24 → 2 tens 4 units
32 → 3 tens 2 units

2 tens + 3 tens = 5 tens
24 + 32 = 56
4 + 2 = 6

- 2-digit numbers subtracted from 2-digit numbers without bridging a multiple of 10 e.g. 78 - 26.
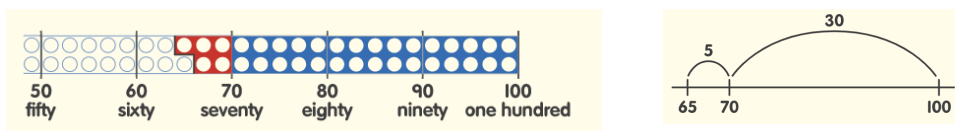
7 tens – 2 tens = 5 tens
78 – 26 = 52
8 – 6 = 2

- Finding the difference and consolidating 'how many more/less?; between two 2-digit numbers in the same decade e.g. On a trip to a castle, there were 28 children in one group and 22 in another. What is the difference between the sizes of the groups?

0 zero   10 ten   20 twenty   30 thirty

6
22   28

- How many more to 100? E.g. There are spaces for 100 children at the after-school disco. So far, 47 children have bought tickets. How many more children can go?

+3   +50
47   50   100

- Finding change from £1. e.g. An item costs 65p. How much change would I get from £1?

50 fifty   60 sixty   70 seventy   80 eighty   90 ninety   100 one hundred

30
5
65   70   100

Can you..?

- Can you use a pencil and paper to solve these number sentences?

$$38 + 50 = \qquad 65 - 30 =$$
$$60 + 29 = \qquad 78 - 60 =$$

- Can you solve this calculation?

$$67 + \boxed{} = 100$$