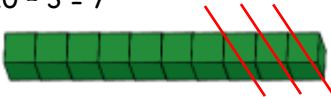
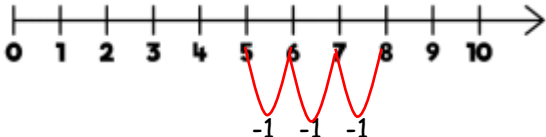
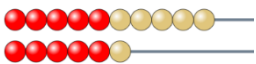
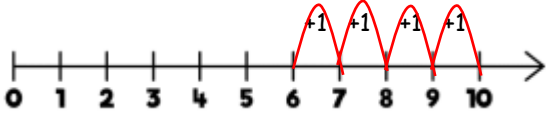
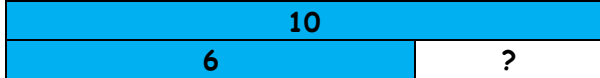


YEAR 1		Subtraction							
Vocabulary: Subtraction; subtract; take away; minus; distance between; difference between; more than; fewer than; minus; less than; most; least.									
Concrete		Pictorial							
<u>Subtract numbers within 10</u> <u>Counting back:</u> 10 - 3 = 7  Using cubes, objects and tens frames. <u>Rekenrek:</u>  <u>Numicon:</u> 		<u>Subtract numbers within 10</u> <u>Counting back:</u> 10 - 3 = 7  8 - 3 = 5 							
Abstract									
<u>Mental facts to 10</u> <u>Counting back:</u> Counting back in ones: 8 - 3 = 5 8, 7, 6, 5 <u>One and two less:</u> Of numbers up to 10. 8 - 1 = 7 (consecutive numbers) 6 - 2 = 4 (Consecutive odd or even numbers)									
Concrete									
<u>Counting on: (finding the difference)</u> 10 - 6 =  10  6 <u>Rekenrek:</u> 		Pictorial							
<u>Counting on: (finding the difference)</u> 10 - 6 = 4   <u>Diennes:</u> 8 - 3 = 5 		Abstract							
<u>Counting on:</u> 9 - 7 = 2 Hold 7 in your head and count on until 9. The difference is 2. <u>Number facts/fact families</u> To 10 and 20: <table><tr><td>10 - 2 = 8</td><td>20 - 2 = 18</td></tr><tr><td>10 - 8 = 2</td><td>20 - 18 = 2</td></tr><tr><td>2 + 8 = 10</td><td>2 + 18 = 20</td></tr><tr><td>8 + 2 = 10</td><td>18 + 2 = 20</td></tr></table>		10 - 2 = 8	20 - 2 = 18	10 - 8 = 2	20 - 18 = 2	2 + 8 = 10	2 + 18 = 20	8 + 2 = 10	18 + 2 = 20
10 - 2 = 8	20 - 2 = 18								
10 - 8 = 2	20 - 18 = 2								
2 + 8 = 10	2 + 18 = 20								
8 + 2 = 10	18 + 2 = 20								

Subtract numbers within 20

As above but include:

Numicon:

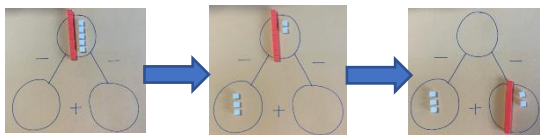
$$20 - 7 = 13$$



Rekenrek:



Dienes:

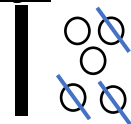


Subtract numbers within 20

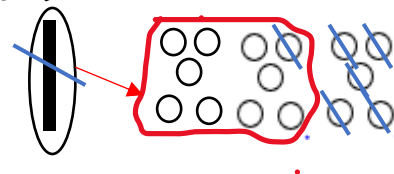
As above plus:

Dienes jottings:

$$15 - 3 = 12$$



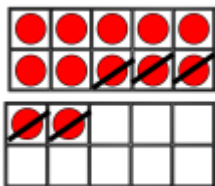
$$15 - 6 = 9$$



One ten = 10 ones

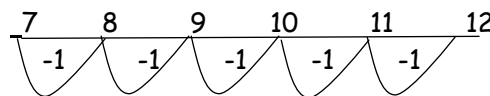
Tens frames showing partitioning:

$$12 - 5 = 7$$



Partitioning:

$$12 - 5 = 7$$



Extending to partitioning 5 into 2 and 3 then -2 and -3.

Mental facts to 20

Using known facts and place value

$$\text{If } 6 - 4 = 2$$

$$\text{Then } 16 - 4 = 12$$

Counting back:

Counting back in ones

$$16 - 5 = 11$$

16, 15, 14, 13, 12, 11

Counting on:

(see number line above)

$$15 - 11 = 4$$

Hold 11 in your head and count on until 15.

The difference is 4.

Partitioning: (Bridging through 10)

$$11 - 4$$

$$11 - 1 = 10$$

$$10 - 3 = 7$$

Missing Number/Inverse:

$$8 + \square = 19$$

$$\square + 12 = 20$$

No formal written layout. Children record their maths using pictorial representations, number lines and mathematical statements.

