

Addition – Year 1

Selected National Curriculum Programme of study statements

- Pupils should be taught to:
 - represent and use number bonds and related subtraction facts within 20.
 - add and subtract 1-digit and 2-digit numbers to 20, including 0.

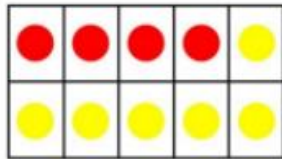
The Big Ideas (NCTEM)

Relating numbers to 5 and 10 helps develop knowledge of the number bonds within 20. For example, given $8 + 7$, thinking of 7 as $2 + 5$ and adding the 2 to 8 to make 10 and then the 5 to total 15. Thinking of part whole relationships is helpful in linking addition and subtraction. For example, where the whole is 6, and 4 and 2 are parts. This means that 4 and 2 together form the whole, which is 6 and 6 subtract 4 leaves the 2 and 6 subtract 2 leaves the 4.

Stage 1

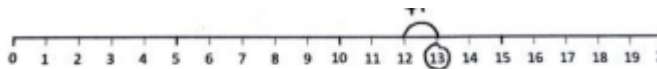
Represent number bonds within 10.

$$4 + 6 = 10$$



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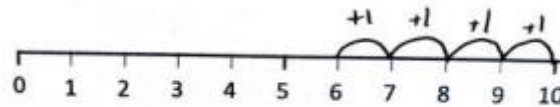
Find 1 more from any given number within 20.



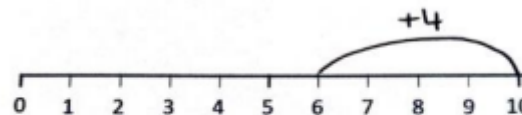
$$12 + 1 = 13$$

Stage 2

Use number bonds within 10.

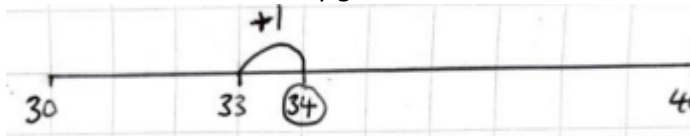


$$6 + 4 = 10$$



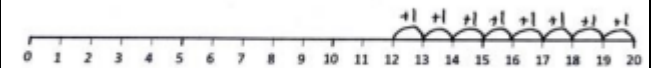
$$6 + 4 = 10$$

Find 1 more from any given number within 50.

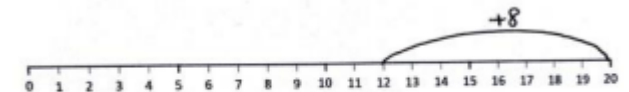


End of year expectation

Represent and use number bonds within 20

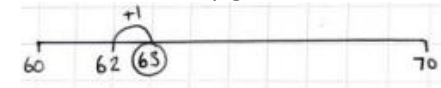


$$12 + 8 = 20$$



$$12 + 8 = 20$$

Find 1 more from any given number within 100



Add 1-digit and 2-digit numbers to 20.



$$12 + 4 = 16$$

Subtraction – Year 1

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- represent and use number bonds and related subtraction facts within 20
- add and subtract 1-digit and 2-digit numbers to 20, including 0

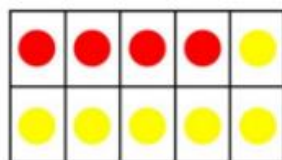
The Big Ideas (NCTEM)

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Stage 1

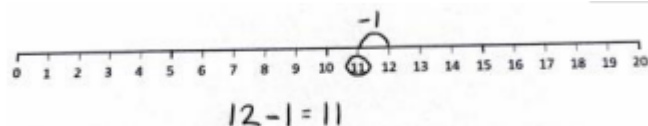
Represent number bonds within 10.

$$10 - 6 = 4$$



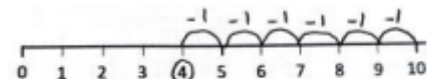
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Find 1 less from any given number within 20

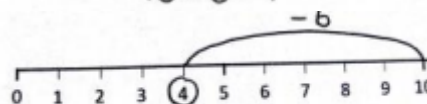


Stage 2

Use number bonds within 10.



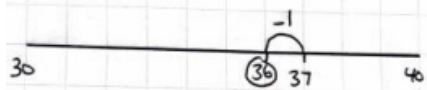
$$10 - 6 = 4$$



$$10 - 6 = 4$$

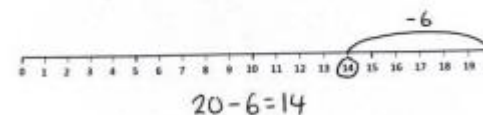
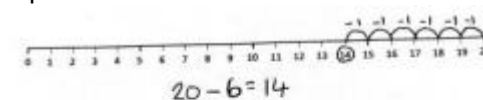
Find 1 less from any given number within 50.

$$37 - 1 = 36$$



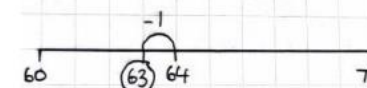
End of year expectation

Represent and use number bonds within 20.



Find 1 less from any given number within 100

$$64 - 1 = 63$$



Subtract 1-digit and 2-digit numbers within 20

