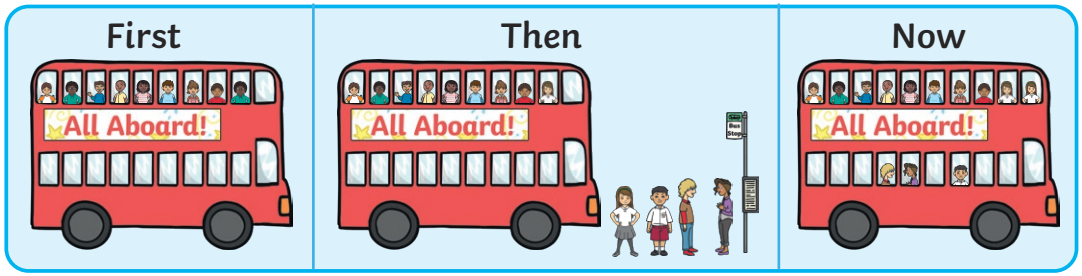
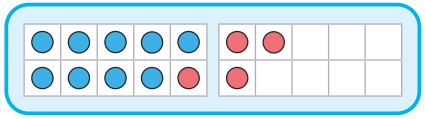
Addition and Subtraction within 20

Knowledge Organiser

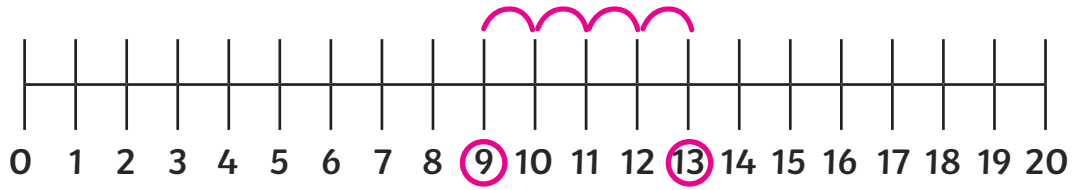
Addition by Counting On



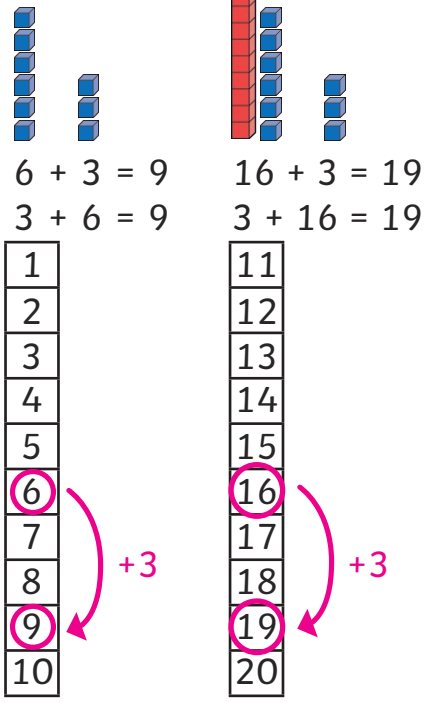


9 + 4 = 13

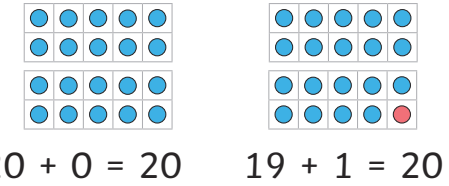
I partitioned 4 into 1 and 3.
9 + 1 = 10
10 + 3 = 13

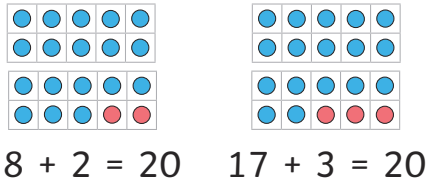


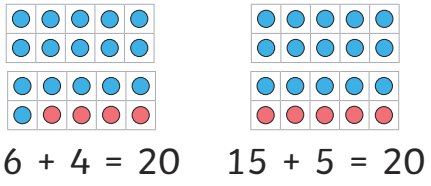
Addition within 20 Using Number Bonds within 10

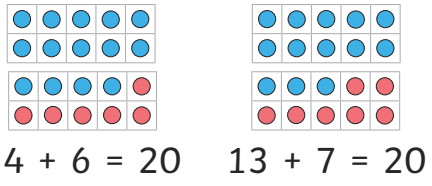


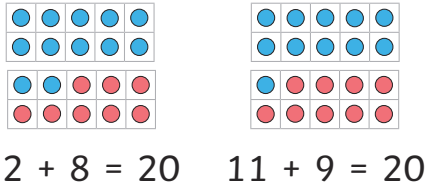
Number Bonds of 20

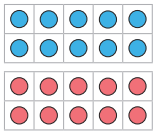






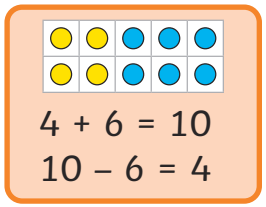






10 + 10 = 20

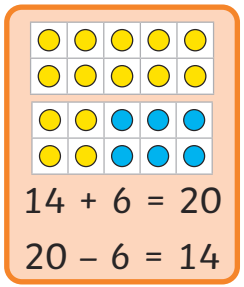
Number Bonds



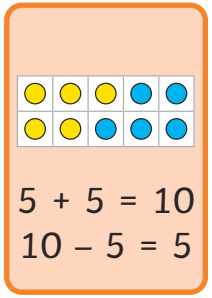
4 + 6 = 10
10 – 6 = 4

4 + 6 < 14 + 6

14 = 20 – 6

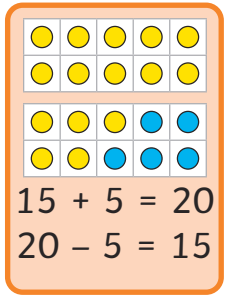


14 + 6 = 20
20 – 6 = 14



5 + 5 = 10
10 – 5 = 5

20 – 5 > 20 – 6



15 + 5 = 20
20 – 5 = 15

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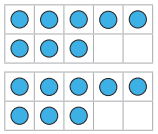
Addition and Subtraction within 20

Knowledge Organiser

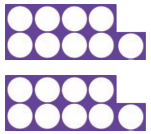
Doubles

8 + 8 = 16



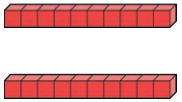
double 8 is 16

9 + 9 = 18



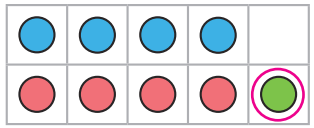
double 9 is 18

10 + 10 = 20



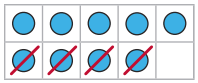
double 10 is 20

Near Doubles

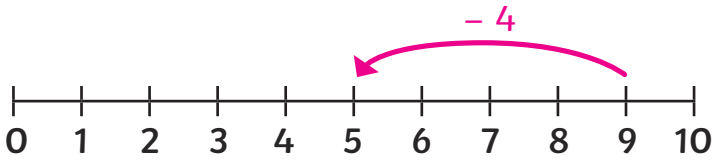


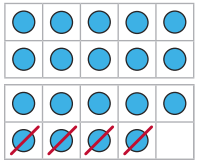
4 + 5 =
double 4 plus 1

Subtraction within 20 Using Number Facts within 10

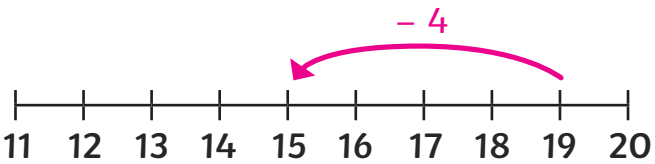


9 – 4 = 5

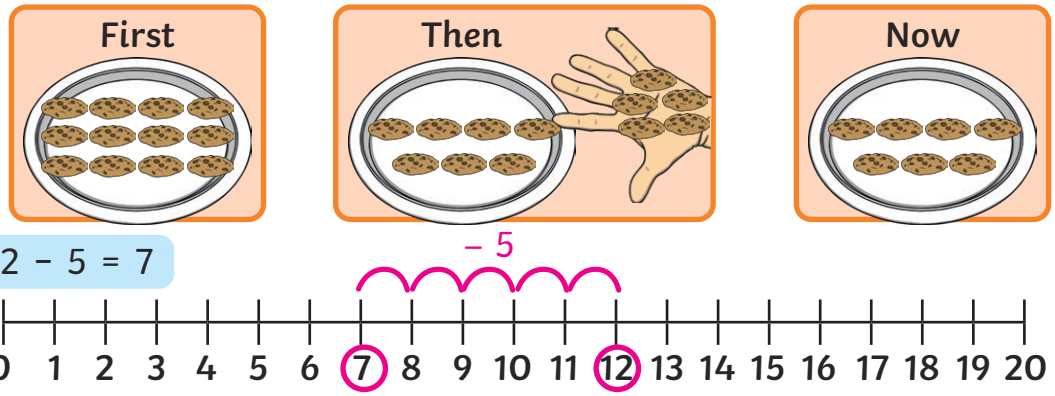




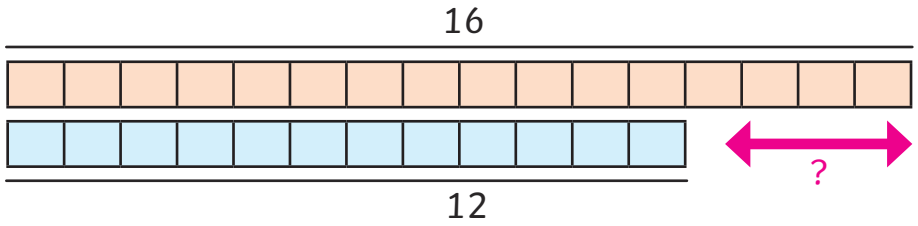
19 – 4 = 15



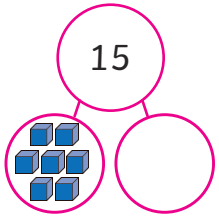
Subtraction by Counting Back



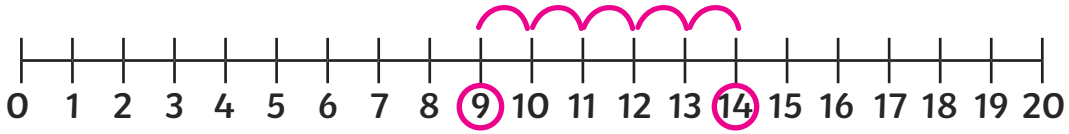
Subtraction by Finding the Difference



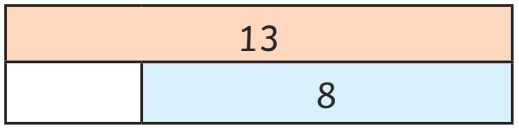
Missing Numbers



7 + ☐ = 15



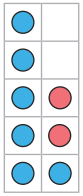
14 – ☐ = 9



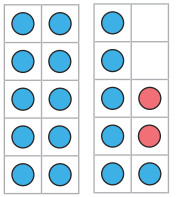
13 – ☐ = 8

Related Number Facts

6 + 2 = 8
2 + 6 = 8
8 – 2 = 6
8 – 6 = 2



16 + 2 = 18
2 + 16 = 18
18 – 2 = 16
18 – 6 = 12



16 + 2 = 18
2 + 16 = 18
18 – 2 = 16
18 – 6 = 12

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