Templars Primary School Knowledge Organiser   Year 1 Addition and Subtraction (within 10)

Key Vocabulary
partition
part-whole
add
equals
total
count on / back
number bonds
subtract
takeaway
fact family
find the difference
commutativity

0 1 2 3 4 5 6 7 8 9 10

Counting on

$5 + 3 = 8$

6 7 8

0 1 2 3 4 5 6 7 8 9 10

Counting back

$9 - 4 = 5$

5 6 7 8

0 1 2 3 4 5 6 7 8 9 10

Put 9 in your head

Number bonds to 5 and fact families

The three digits in a fact family never change.

$5 + 0 = 5$
$0 + 5 = 5$
$5 - 0 = 5$
$5 - 5 = 0$

$4 + 1 = 5$
$1 + 4 = 5$
$5 - 4 = 1$
$5 - 1 = 4$

$3 + 2 = 5$
$2 + 3 = 5$
$5 - 3 = 2$
$5 - 2 = 3$

Number bonds to 10 and fact families

$9 + 1 = 10$
$1 + 9 = 10$
$10 - 9 = 1$
$10 - 1 = 9$

$7 + 3 = 10$
$3 + 7 = 10$
$10 - 7 = 3$
$10 - 3 = 7$

$5 + 5 = 10$
$5 + 5 = 10$
$10 - 5 = 5$
$10 - 5 = 5$

$10 + 0 = 10$
$0 + 10 = 10$
$10 - 10 = 0$
$10 - 0 = 10$

$8 + 2 = 10$
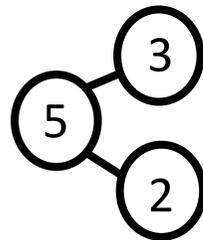$2 + 8 = 10$
$10 - 8 = 2$
$10 - 2 = 8$

$6 + 4 = 10$
$4 + 6 = 10$
$10 - 6 = 4$
$10 - 4 = 6$

Partitioning

Partition means split into parts. The two parts must equal the total. We can use partitioning to help us remember number bonds and fact families.
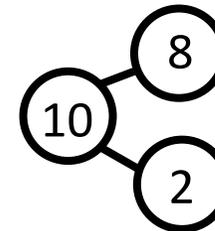
$3 + 2 = 5$ $2 + 3 = 5$
$5 - 3 = 2$ $5 - 2 = 3$

$8 + 2 = 10$ $2 + 8 = 10$
$10 - 8 = 2$ $10 - 2 = 8$