Addition and subtraction- mental methods

Addition- partitioning
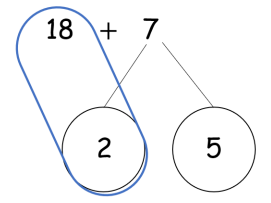
$18 + 2 = 20$

$20 + 5 = 25$

The multiple of 10 after _____ is _____
I need to add _____ to get to the next 10

Subtraction- partitioning

$36 - 8 =$

$36 - 6 = 30$

$30 - 2 = 28$

The previous multiple of 10 before ___ is ___
I need to subtract ___ to get to the previous 10.

Methods – Addition

addend + addend = sum

$45 + 37 = 82$

'Exchange ten 1s for one 10'

Methods – Subtraction

minuend- subtrahend = difference

'Exchange a 10 for ten 1s'

13 ones − 5 ones = 8 ones

6 tens − 2 tens = 4 tens
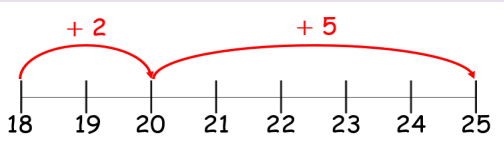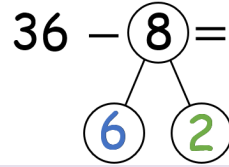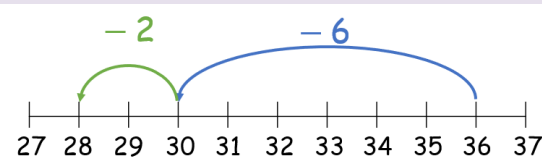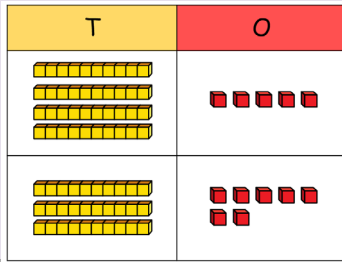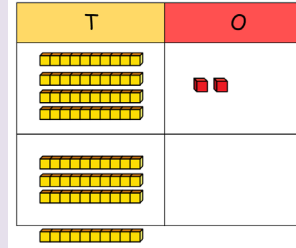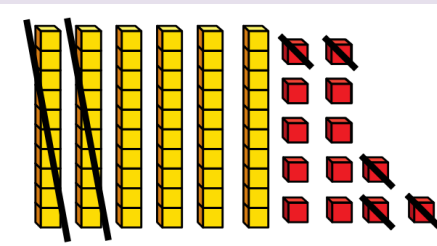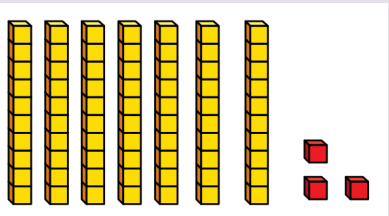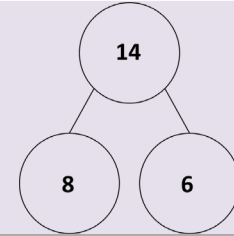
$73 - 25 = 48$

Vocabulary

add	To bring two or more numbers (or things) together to make a new total.
total	The result of adding. e.g. 1 + 4 gives a total of 5
altogether	Including everything, in total.
addend	A number that is added to a number
sum	The result of an addition
minuend	A number from which a another is subtracted.
subtrahend	A number subtracted from another.
difference	The result of subtracting one number from another. E.g. the difference between 8 and 5 is 3.
subtract	To take one number away from another. **Synonyms: minus, take-away, decrease, deduct**
less	A smaller amount of; not as much.
exchange	Change a number for another of an equal value.
partition	Split into parts.

Addition and Subtraction Number Bonds within 20
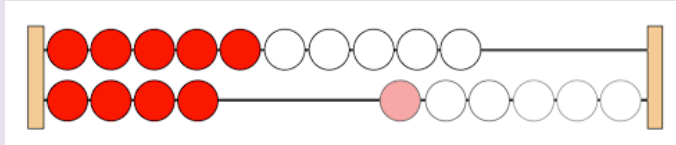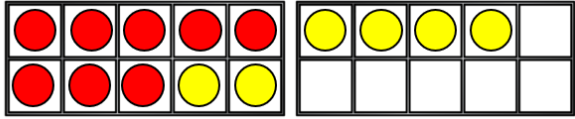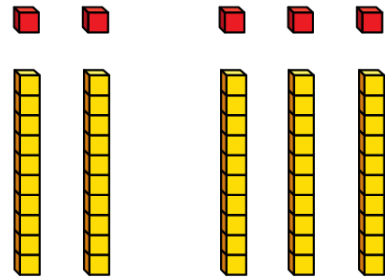

$$8 + 6 = 14$$
$$6 + 8 = 14$$
$$14 = 8 + 6$$
$$14 = 6 + 8$$

Related Facts

_____ ones + _____ ones = _____ ones,
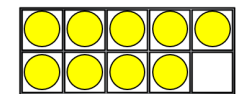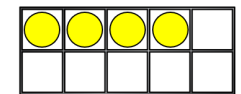
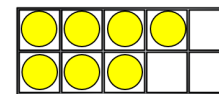so _____ tens + _____ tens = _____ tens

$$2 + 3 = 5$$
$$20 + 30 = 50$$

Compare number sentences

$$14 + 7 \quad \bigcirc \quad 14 + 9$$
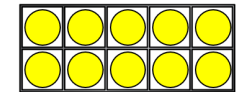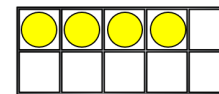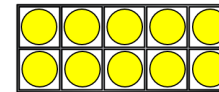
10 more and 10 less

10 More or Less

30	40	50	60	70	80
47	57	67	77	87	97

The ones digit stays the same.

10 less	Number	10 more