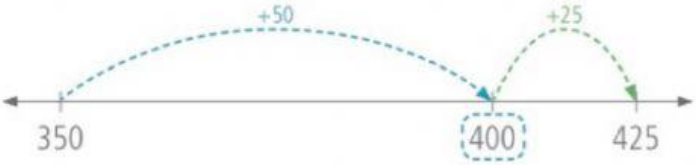
Jump Strategy or Split to Make a Ten

1 Jump forward to a friendly number.

350 + 75



2 Jump forward the rest.

350 + 75 = 425

50 + 25

Split the 75 into parts that can be used to make a friendly fact.

50 and 25

In this case a number that will add to a 10, 100 or 1000.

350 + 50 = 400

My Mental Calculation

350 + 50 = 400 + 25 = 425

Another Example

46 + 25 = 71

Possible partitions of 25 that make a friendly fact with 46

4 20 1

24 1

21 4

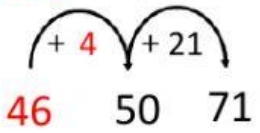
My Mental Calculation

46 + 4 = 50 + 20 = 70 + 1 = 71

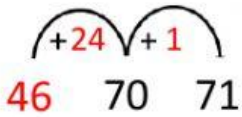
46 + 24 = 70 + 1 = 71

46 + 4 = 50 + 21 = 71

46 + 25 = 71



46 + 25 = 71



Mental maths allows for flexibility with thinking and reasoning.

(There are numerous ways to solve problems)

Mental maths often requires and allows for the written working.

LIVEWORKSHEETS

To use the JUMP strategy or SPLIT TO MAKE 10 strategy you need to know the pairs of numbers that add to make a multiple of 10.

These pairs of numbers are known as Rainbow Facts, Number Bonds or Compatibles.

You also need to know your extended facts.

Extended Facts

3 + 7 =	23 + 7 =	53 + 7 =	30 + 70 =	300 + 700 =
2 + 8 =	42 + 8 =	72 + 8 =	20 + 80 =	200 + 800 =
6 + 4 =	36 + 4 =	96 + 4 =	40 + 60 =	400 + 600 =
5 + 5 =	15 + 5 =	45 + 5 =	50 + 50 =	500 + 500 =

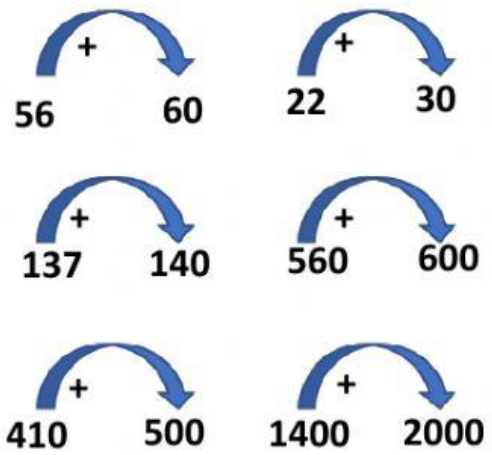
Try these ...

14 + 26 =	32 + 28 =	53 + 50 =	130 + 74 =
244 + 60 =	126 + 80 =	553 + 500 =	130 + 900 =

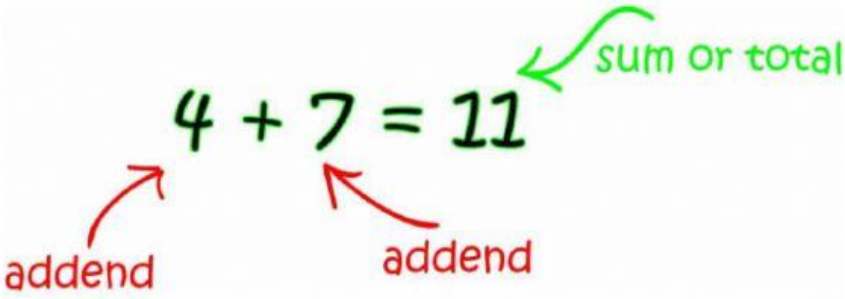
Add to make 10

45 +	= 50	23 +	= 30
62 +	= 70	51 +	= 60
84 +	= 90	76 +	= 80
45 +	= 105		
62 +	= 102		
19 +	= 109		
27 +	= 107		

Jump to the next 10



LIVEWORKSHEETS



Solve by PARTIONING the second ADDEND to make a 10

46 + 25 =

___ + 21

Hint (46 + __ = 50)

A second way of partitioning is

46 + 25 =

___ + 1

67 + 34 =

___ + 31

Hint (67 + __ = 70)

A second way of partitioning is

67 + 34 =

___ + 1

88 + 16 =

___ + 14

Hint (88 + __ = 90)

A second way of partitioning is

88 + 16 =

___ + 4

4700 + 600 =

___H + 3H

Hint (47 + __ = 50)

6800 + 1600 =

___H + 14H

Hint (68 + __ = 70)

A second way of partitioning is

6800 + 1600 =

___H + 4H

5700 + 2400 =

___H + 21H

Hint (47 + __ = 50)

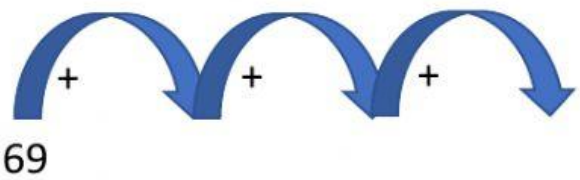
A second way of partitioning is

5700 + 2400 =

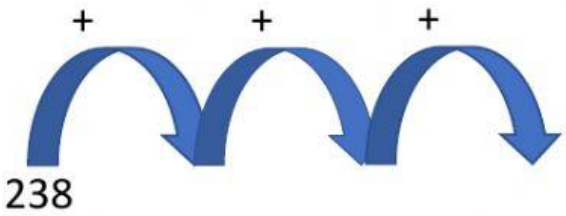
___H + 1H

Solve by using the jump strategy.

69 + 36 =



238 + 47 =



LIVEWORKSHEETS