Jump Strategy or Split to Make a Ten
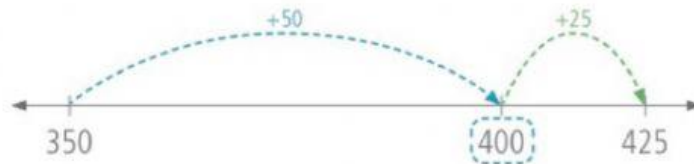
1 Jump forward to a friendly number.

$$350 + 75$$

2 Jump forward the rest.

$$350 + 75 = 425$$

50 + 25

My Mental Calculation

$$350 + 50 = 400 + 25 = 425$$

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.

$$350 + 50 = 400$$

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.

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

$2 + 8 =$	$42 + 8 =$	$22 + 8 =$	$20 + 80 =$	$200 + 800 =$
$3 + 7 =$	$23 + 7 =$	$93 + 7 =$	$30 + 70 =$	$300 + 700 =$
$4 + 6 =$	$14 + 6 =$	$54 + 6 =$	$240 + 60 =$	$3400 + 600 =$
$5 + 5 =$	$45 + 5 =$	$75 + 15 =$	$550 + 50 =$	$1500 + 1500 =$

Try these ...
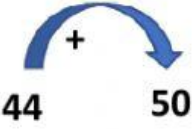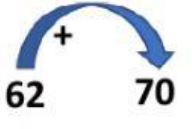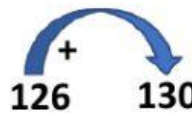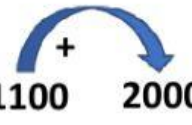
$43 + 27 =$ $52 + 28 =$ $45 + 60 =$ $130 + 73 =$

$124 + 80 =$ $130 + 75 =$ $200 + 867 =$ $630 + 400 =$

Add to make 10

$47 +$ $= 50$	$44 +$ $= 50$	
$71 +$ $= 80$	$72 +$ $= 80$	
$52 +$ $= 60$	$46 +$ $= 50$	
$26 +$ $= 106$		
$64 +$ $= 104$		
$38 +$ $= 108$		
$64 +$ $= 104$		

Jump to the next 10

44 + 50   62 + 70

126 + 130   420 + 500

170 + 200   1100 + 2000

$$4 + 7 = 11$$

sum or total

addend   addend

Solve by PARTIONING the second ADDEND to make a 10

59+ 24 = Partition 24 _____ + _____ Hint (59 + __ = 60)	79 + 16 = Partition 16 _____ + _____ Hint (79 + __ = 80)	36+ 15 = Partition 15 _____ + _____ Hint (36 + __ = 40)
267 + 35= Partition 35 _____ + _____ Hint (67 + __ = 70)	248 + 46= Partition 46 _____ + _____ Hint (48 + __ = 50)	159 + 24 = Partition 24 _____ + _____ Hint (59 + __ = 60)
5700 + 500 = Partition 5H _____H + _____H Hint (57H + ___H = 60H)	4800 + 2600 = Partition 26H _____H + _____H Hint (48H + ___H = 50H)	4900 + 3500 = Partition 35H _____H + _____H Hint (49H + ___H = 50H)

Solve by using the jump strategy.

47 + 34 =

+   +   +

47

268 + 37 =

+   +   +

268