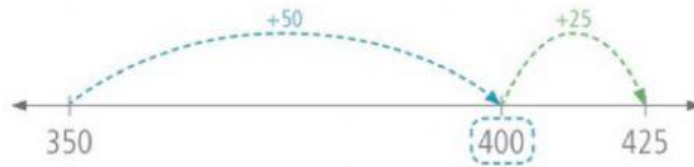


# Jump Strategy or Split to Make a Ten

- 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

$$\begin{array}{r} 4 \ 20 \ 1 \\ 24 \ 1 \\ 21 \ 4 \end{array}$$

My Mental Calculation

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

$$46 + 24 = 70 + 1 = 71$$

$$46 + 4 = 50 + 21 = 71$$

$$\begin{array}{c} 46 + 25 = 71 \\ \begin{array}{c} \text{+ 4} \quad \text{+ 21} \\ \text{46} \quad 50 \quad 71 \end{array} \end{array}$$

$$\begin{array}{c} 46 + 25 = 71 \\ \begin{array}{c} \text{+ 24} \quad \text{+ 1} \\ \text{46} \quad 70 \quad 71 \end{array} \end{array}$$

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

$$3 + 7 = \quad 23 + 7 = \quad 53 + 7 = \quad 30 + 70 = \quad 300 + 700 =$$

$$2 + 8 = \quad 42 + 8 = \quad 72 + 8 = \quad 20 + 80 = \quad 200 + 800 =$$

$$6 + 4 = \quad 36 + 4 = \quad 96 + 4 = \quad 40 + 60 = \quad 400 + 600 =$$

$$5 + 5 = \quad 15 + 5 = \quad 45 + 5 = \quad 50 + 50 = \quad 500 + 500 =$$

#### Try these ...

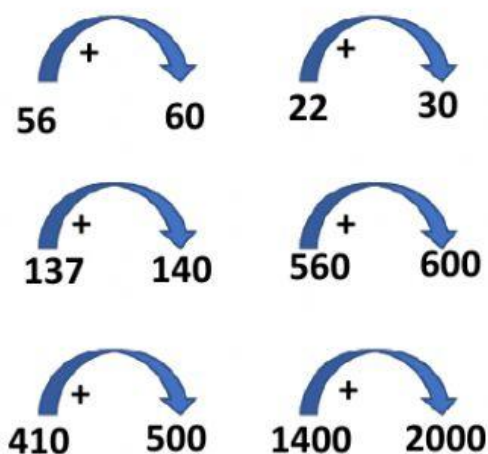
$$14 + 26 = \quad 32 + 28 = \quad 53 + 50 = \quad 130 + 74 =$$

$$244 + 60 = \quad 126 + 80 = \quad 553 + 500 = \quad 130 + 900 =$$

#### 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



$$4 + 7 = 11$$

addend      addend      sum or total

Solve by PARTIONING the second ADDEND to make a 10

$46 + 25 =$

$\underline{\quad} + 21$

Hint ( $46 + \underline{\quad} = 50$ )

A second way of partitioning is

$46 + 25 =$

$\underline{\quad} + 1$

$67 + 34 =$

$\underline{\quad} + 31$

Hint ( $67 + \underline{\quad} = 70$ )

A second way of partitioning is

$67 + 34 =$

$\underline{\quad} + 1$

$88 + 16 =$

$\underline{\quad} + 14$

Hint ( $88 + \underline{\quad} = 90$ )

A second way of partitioning is

$88 + 16 =$

$\underline{\quad} + 4$

$4700 + 600 =$

$\underline{\quad} \text{H} + 3\text{H}$

Hint ( $47 + \underline{\quad} = 50$ )

$6800 + 1600 =$

$\underline{\quad} \text{H} + 14\text{H}$

Hint ( $68 + \underline{\quad} = 70$ )

A second way of partitioning is

$6800 + 1600 =$

$\underline{\quad} \text{H} + 4\text{H}$

$5700 + 2400 =$

$\underline{\quad} \text{H} + 21\text{H}$

Hint ( $47 + \underline{\quad} = 50$ )

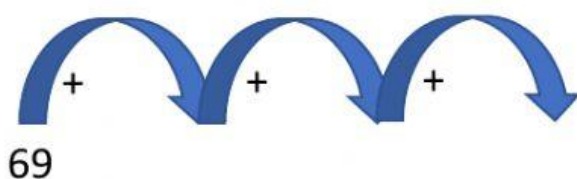
A second way of partitioning is

$5700 + 2400 =$

$\underline{\quad} \text{H} + 1\text{H}$

Solve by using the jump strategy.

$69 + 36 =$



$238 + 47 =$

