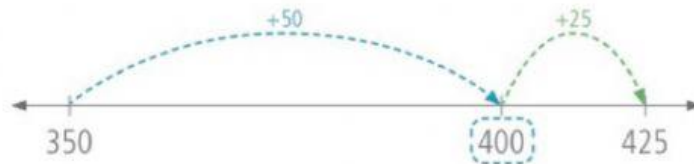


# Jump Strategy or Split to Make a Ten

- 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

$2 + 8 =$        $42 + 8 =$        $22 + 8 =$        $20 + 80 =$        $200 + 800 =$

$3 + 7 =$        $23 + 7 =$        $93 + 7 =$        $30 + 70 =$        $300 + 700 =$

$4 + 6 =$        $14 + 6 =$        $54 + 6 =$        $240 + 60 =$        $3400 + 600 =$

$5 + 5 =$        $45 + 5 =$        $75 + 15 =$        $550 + 50 =$        $1500 + 1500 =$

Try these ...

$43 + 27 =$        $52 + 28 =$        $45 + 60 =$        $130 + 73 =$

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

#### Add to make 10

$47 +$        $= 50$        $44 +$        $= 50$

$71 +$        $= 80$        $72 +$        $= 80$

$52 +$        $= 60$        $46 +$        $= 50$

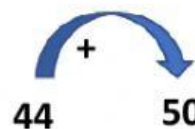
$26 +$        $= 106$

$64 +$        $= 104$

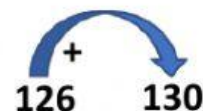
$38 +$        $= 108$

$64 +$        $= 104$

#### Jump to the next 10

 $44$        $50$

 $62$        $70$

 $126$        $130$

 $420$        $500$

 $170$        $200$

 $1100$        $2000$

$$4 + 7 = 11$$

addend      addend      sum or total

Solve by PARTIONING the second ADDEND to make a 10

$59 + 24 =$

Partition 24

$\underline{\quad} + \underline{\quad}$

Hint ( $59 + \underline{\quad} = 60$ )

$79 + 16 =$

Partition 16

$\underline{\quad} + \underline{\quad}$

Hint ( $79 + \underline{\quad} = 80$ )

$36 + 15 =$

Partition 15

$\underline{\quad} + \underline{\quad}$

Hint ( $36 + \underline{\quad} = 40$ )

$267 + 35 =$

Partition 35

$\underline{\quad} + \underline{\quad}$

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

$248 + 46 =$

Partition 46

$\underline{\quad} + \underline{\quad}$

Hint ( $48 + \underline{\quad} = 50$ )

$159 + 24 =$

Partition 24

$\underline{\quad} + \underline{\quad}$

Hint ( $59 + \underline{\quad} = 60$ )

$5700 + 500 =$

Partition 5H

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

Hint ( $57\text{H} + \underline{\quad} \text{H} = 60\text{H}$ )

$4800 + 2600 =$

Partition 26H

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

Hint ( $48\text{H} + \underline{\quad} \text{H} = 50\text{H}$ )

$4900 + 3500 =$

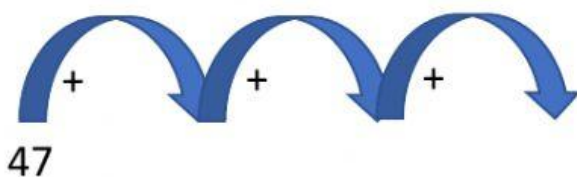
Partition 35H

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

Hint ( $49\text{H} + \underline{\quad} \text{H} = 50\text{H}$ )

Solve by using the jump strategy.

$47 + 34 =$



$268 + 37 =$

