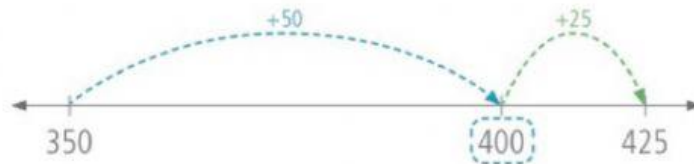


Jump Strategy or Split to Make a Ten

- 1 Jump forward to a friendly number.

$$350 + 75$$



- 2 Jump forward the rest.

$$350 + 75 = 425$$

My Mental Calculation

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

$$50 + 25$$

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.

$$350 + 50 = 400$$

Another Example

$$46 + 25 = 71$$

My Mental Calculation

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

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

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

Possible partitions of 25 that make a friendly fact with 46

$$4 \quad 20 \quad 1$$

$$24 \quad 1$$

$$21 \quad 4$$

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

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

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

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

$$1 + 9 = \quad 21 + 9 = \quad 91 + 9 = \quad 10 + 90 = \quad 100 + 900 =$$

$$4 + 6 = \quad 24 + 6 = \quad 14 + 6 = \quad 140 + 60 = \quad 1400 + 600 =$$

$$5 + 5 = \quad 15 + 5 = \quad 55 + 15 = \quad 250 + 50 = \quad 500 + 500 =$$

Try these ...

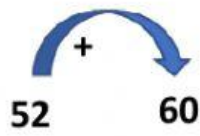
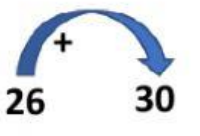
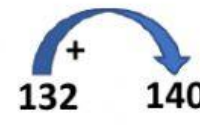
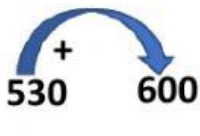
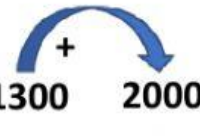
$$44 + 26 = \quad 22 + 28 = \quad 63 + 40 = \quad 120 + 83 =$$

$$434 + 70 = \quad 120 + 85 = \quad 500 + 567 = \quad 430 + 600 =$$

Add to make 10

42 +	= 50	25 +	= 30
66 +	= 70	53 +	= 60
81 +	= 90	72 +	= 80
47 +	= 107		
63 +	= 103		
24 +	= 104		
77 +	= 107		

Jump to the next 10

 52 + 60	 26 + 30
 132 + 140	 530 + 600
 420 + 500	 1300 + 2000

$$4 + 7 = 11$$

addend addend sum or total

Solve by PARTIONING the second ADDEND to make a 10

$$46 + 27 =$$

Partition 27

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

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

$$64 + 17 =$$

Partition 17

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

Hint (64 + $\underline{\quad}$ = 70)

$$37 + 26 =$$

Partition 26

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

Hint (37 + $\underline{\quad}$ = 40)

$$168 + 34 =$$

Partition 34

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

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

$$347 + 46 =$$

Partition 46

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

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

$$369 + 26 =$$

Partition 26

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

Hint (69 + $\underline{\quad}$ = 70)

$$6800 + 600 =$$

Partition 6H

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

Hint (68H + $\underline{\quad}$ H = 60H)

$$4900 + 1500 =$$

Partition 15H

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

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

$$7700 + 2400 =$$

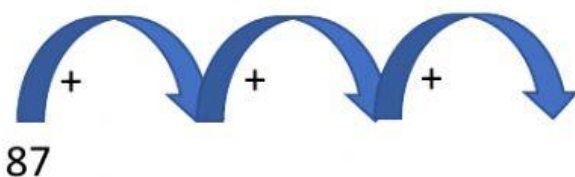
Partition 24H

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

Hint (77H + $\underline{\quad}$ H = 80H)

Solve by using the jump strategy.

$$87 + 26 =$$



$$259 + 37 =$$

