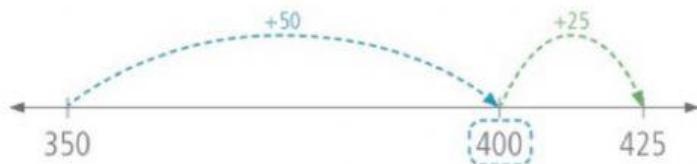


## Jump Strategy or Split to Make a Ten

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

$$46 + 25 = 71$$

My Mental Calculation

$$4 \ 20 \ 1$$

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

Possible partitions of 25 that make a friendly fact with 46

$$24 \ 1$$

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

$$21 \ 4$$

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

$$46 + 25 = 71$$

$$46 + 25 = 71$$



$$46 \ 50 \ 71$$



$$46 \ 70 \ 71$$

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

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

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

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

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

Try these ...

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

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

#### Add to make 10

$42 + \quad = 50$        $25 + \quad = 30$

$66 + \quad = 70$        $53 + \quad = 60$

$81 + \quad = 90$        $72 + \quad = 80$

$47 + \quad = 107$

$63 + \quad = 103$

$24 + \quad = 104$

$77 + \quad = 107$

#### Jump to the next 10

$52 + \quad \quad \quad 60$   
 $26 + \quad \quad \quad 30$

$132 + \quad \quad \quad 140$   
 $530 + \quad \quad \quad 600$

$420 + \quad \quad \quad 500$   
 $1300 + \quad \quad \quad 2000$

$$4 + 7 = 11$$

addend

addend

sum or total

Solve by PARTITIONING the second ADDEND to make a 10

$$46 + 27 =$$

Partition 27

$$\underline{40} + \underline{27}$$

$$64 + 17 =$$

Partition 17

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

$$37 + 26 =$$

Partition 26

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

$$168 + 34 =$$

Partition 34

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

$$\begin{array}{r} 347 \\ + 46 \\ \hline \end{array}$$

Partition 46

\_\_\_\_\_ + \_\_\_\_\_

$$369 + 26 =$$

Partition 26

       +

$$6800 + 600 =$$

Partition 6H

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

$$4900 + 1500 =$$

Partition 15H

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

$$7700 + 2400 =$$

Partition 24H

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

Solve by using the jump strategy.

$87 + 26 =$

$259 + 37 =$

