

Summary of addition strategies

1 Place value partitioning

Example $216 + 345$
 $= 200 + 10 + 6 + 300 + 40 + 5$
 $= 561$

Good to use with numbers that are not close to tidy numbers

2 Nested place value

Example $1746 + 753$
 $= 17 \text{ hundreds} + 4 \text{ tens} + 6 \text{ ones} + 7 \text{ hundreds} + 5 \text{ tens} + 3 \text{ ones}$
 $= 24 \text{ hundreds} + 9 \text{ tens} + 9 \text{ ones}$
 $= 2499$

Good to use when the numbers have different numbers of digits

3 Tidy numbers

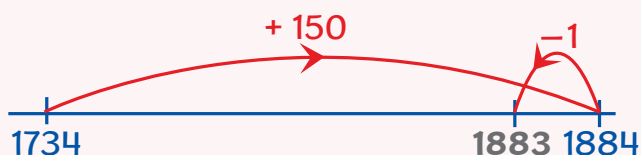
- a Taking from one number to give to another

Example $2134 + 1328 = 2132 + 1330$
 $= 3472$

Good to use when one number is close to a tidy number

- b Adding a tidy number then taking some off

Example $1734 + 149 = 1734 + 150 - 1$



- c Jumping through tidy numbers

Example $348 + \boxed{?} = 523$

