

Summary of subtraction strategies

1 Place value partitioning

Example $617 - 353$

$$\begin{aligned} &= 600 + 80 + 7 - 300 - 50 - 3 \\ &= 300 + 30 + 4 \\ &= 334 \end{aligned}$$

Good to use when the second number is not close to a tidy number

2 Nested place value

Example $3467 - 834$

$$\begin{aligned} &= 34 \text{ hundreds} + 6 \text{ tens} + 7 \text{ ones} - 8 \text{ hundreds} - 3 \text{ tens} - 4 \text{ ones} \\ &= 26 \text{ hundreds} + 3 \text{ tens} + 3 \text{ ones} \\ &= 2633 \end{aligned}$$

Good to use when the numbers have different numbers of digits

3 Tidy numbers

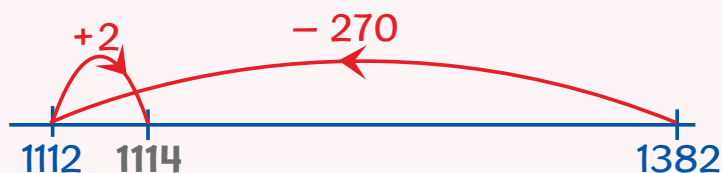
a Adding the same to both numbers

Example $1364 - 247 = 1367 - 250 = 1117$

Good to use when the second number is close to a tidy number

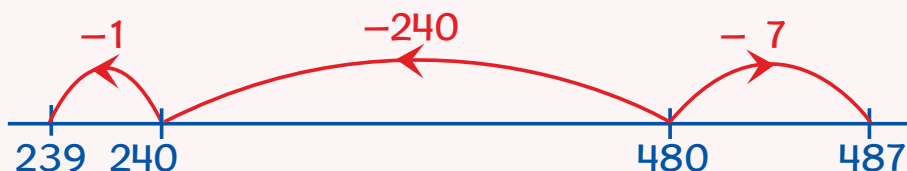
b Subtract a tidy number then add some back

Example $1382 - 268 = 1382 - 270 + 2$



c Jumping back through tidy numbers

Example $487 - \boxed{?} = 239$



$$7 + 240 + 1 = 248$$