# Addition/subtraction strategies

6 questions | 10 marks

Equivalent correct methods earn the corresponding marks.

**1.** Calculate $458 + 236$. [1 mark]

$458 + 200 = 658$.

$658 + 30 + 6 = 694$.

**Answer:** 694.

**2.** Calculate $703 - 268$. [1 mark]

$703 - 200 = 503$.

$503 - 60 - 8 = 435$.

**Answer:** 435.

**3.** Use compensation to find $645 + 298$. [2 marks]

$645 + 300 = 945$.

Subtract the extra 2: 943.

**Answer:** 943.

**4.** Use compensation to find $721 - 299$. [2 marks]

$721 - 300 = 421$.

Add 1 back because one too many was removed: 422.

**Answer:** 422.

**5.** A library had 625 books. It received 178 more, then lent out 246. How many remained? [2 marks]

$625 + 178 = 803$.

$803 - 246 = 557$.

**Answer:** 557 books.

**6.** A learner finds $472 + 189 = 551$. Show a correct method and use an estimate to explain why 551 is not sensible. [2 marks]

$472 + 200 - 11 = 661$.

Rounding to hundreds gives about $500 + 200 = 700$, much closer to 661 than 551.

**Answer:** The correct answer is 661.