Adding big numbers: answers and notes

What your child practised: adding numbers with more than 4 digits in columns, exchanging ten for one into the next column (Year 5).

Page 1 · Warm up

274,105: **70,000** · 357,912: **7,000** · 712,486: **700,000**

Page 2 · Try it together

Answers vary. Check each total with an estimate.

Page 2 · A. Add

23,415 + 41,362 = **64,777**
35,268 + 12,519 = **47,787**
48,736 + 27,185 = **75,921**

Page 3 · B. 6-digit numbers

234,567 + 152,384 = **386,951**
406,718 + 285,594 = **692,312**
157,846 + 268,379 = **426,225**

Page 3 · C. Mia's mistake

In the ones, 6 + 9 = 15, and she wrote 15 instead of writing 5 and exchanging 1 ten. Right answer: **73,785**.

Page 3 · D. Museum

48,375 + 39,846 = **88,221** visitors

Challenge: Estimate: 66,000 + 24,000 = 90,000, so 88,702 is too small. Leo forgot to add the exchanged digits. The right answer is **89,812**.

Watch out for

- **Forgetting the exchanged digit.** Write it small in the next column every time, and tick it once it's added.
- **Writing two digits in one column** (like 15). Only one digit fits; the ten moves next door.
- **Misreading big numbers.** Read 346,758 as "three hundred and forty-six thousand, seven hundred and fifty-eight".

Going further (5 minutes, no paper)

- **Say the number:** say a 6-digit number; your child says what each digit is worth.
- **Estimate first:** before each sum, round to the nearest 10,000 and guess the answer.
- **In the game:** Chapter 2 adds numbers of different lengths and three numbers at once.