Count in steps: answers and notes

What your child practised: counting forwards and backwards in steps of 10, 100, 1,000, 10,000 and 100,000 from any number up to 1,000,000 (Year 5).

Page 1 · Warm up

45,680 · **45,770** · **46,670**

Page 2 · Launch track

Row 1: 86,500, 87,500 … the 8th number is **93,500** on (7 steps). Other rows will vary.

Page 2 · A. Gaps

34,540, **34,560** (on 10)
708,300, **708,400** (on 100)
98,000, **99,000** (on 1,000)
250,000, **150,000** (back 100,000)
143,456, **153,456** (on 10,000)

Page 3 · B. The table

275,390: **275,400** · **274,390** · **285,390** · **175,390**
409,995: **410,005** · **408,995** · **419,995** · **309,995**
100,050: **100,060** · **99,050** · **110,050** · **50**

Page 3 · C. What step?

52,800 → 72,800: **10,000, on**
605,000 → 405,000: **100,000, back**
18,090 → 18,110: **10, on**
7,450 → 5,450: **1,000, back**

Page 3 · D. To the Moon

384,400 − 284,400 = 100,000 km, so **10 jumps** of 10,000 km.

Challenge: No. Ava added 1 to the **hundreds** digit, so she added 100. For 1,000 more, the **thousands** digit goes up: 9 + 1 = 10, so write 0 and add 1 to the ten thousands: **60,600**.

Watch out for

- **Changing the wrong digit.** Ask "Which place is the step?" and point to that digit first.
- **Crossing a boundary**, like 409,995 + 10 = 410,005 (not 409,1005): 10 tens swap for 1 hundred.
- **Counting back past 0**, like 100,050 − 1,000 = 99,050: swap 1 ten thousand for 10 thousands.

Going further (5 minutes, no paper)

- **Countdown:** count back from 1,000,000 in steps of 100,000 together.
- **Odd one out:** say 4 numbers in a count, with one wrong. Can your child spot it?
- **In the game:** Chapter 5, Greater or Less, compares and orders numbers up to 1,000,000.