Hop 10 or 100: answers and notes

What your child practised: finding 10 or 100 more or less than numbers to 1,000, reading and estimating on number lines, and solving number problems (Year 3).

Page 1 · Warm up (245)

10 more **255** · 10 less **235**
100 more **345** · 100 less **145**

Page 2 · Try it together

Answers will vary. Check that only one digit changes, unless a hop crosses a hundred: 390 + 10 = **400**.

Page 2 · A. The table

254: **244**, **264**, **154**, **354**
618: **608**, **628**, **518**, **718**
390: **380**, **400**, **290**, **490**
705: **695**, **715**, **605**, **805**

Page 3 · B. Number lines

370 · **600** · **540** and **570**
About **250** (anything from 200 to 300 is a good estimate)

Page 3 · C. Fill the boxes

497 · **793** · **462** · **999**

Page 3 · D. Problems

Sam: **345** stickers
School: **400** children
Mia: **700**, **750**, **800**

Challenge: No. 372 is 10 more. Leo changed the **tens** digit, but 100 more changes the **hundreds** digit: 100 more than 362 is **462**.

Watch out for

- **Changing the wrong digit**, as in the Challenge. Ask "10 or 100? So which place changes?"
- **Going the wrong way**: "more" means the number gets bigger, "less" means smaller. Point along a number line.
- **Crossing a hundred**: 10 more than 390 is 400, not 3,100. 10 less than 705 is 695: swap 1 hundred for 10 tens first.
- **Estimating**: find halfway (500) first, then decide which hundreds the number sits between.

Going further (5 minutes, no paper)

- **Hop chain:** start at 130 and take turns: "10 more", "100 more"… Can you get to 500 exactly?
- **Car journey count:** count back in 10s from 300, or in 100s from 1,000.
- **In the game:** the Challenge stop has 6 questions on everything in the game.