Swap ten ones: answers and notes

What your child practised: swapping 10 ones for 1 ten, the hundreds, tens and ones in a 3-digit number, and counting in 4s and 8s (Year 3).

Page 1 · Warm up

256 · 69 · 180

Page 2 · Try it together

Answers will vary. After each swap, Ones should be 9 or fewer. 2 tens and 7 ones is **27**.

Page 2 · A. Ring 10 ones

3 T, 12 O → 4 T, 2 O = **42**
1 H, 2 T, 14 O → 1 H, 3 T, 4 O = **134**
2 H, 4 T, 11 O → 2 H, 5 T, 1 O = **251**

Page 3 · B. Swap and write

0 H, 5 T, 3 O = **53**
1 H, 7 T, 0 O = **170**
3 H, 3 T, 5 O = **335**
5 H, 1 T, 2 O = **512**

Page 3 · C. Count in 4s and 8s

4s: 0, 4, 8, **12**, 16, **20**, **24**, 28, **32**, 36
8s: 0, 8, 16, **24**, 32, **40**, 48, **56**, **64**, 72

Page 3 · D. Hundreds, tens and ones

352: **3** H, **5** T, **2** O · 253: **2** H, **5** T, **3** O
670: **6** H, **7** T, **0** O · 8 H, 1 T, 6 O = **816**

Challenge: No. Swap 10 of the 14 ones for 1 ten: 3 hundreds, **3 tens**, **4 ones** = **334**. Leo wrote 3, 2 and 14 side by side.

Watch out for

- **Digits in the wrong order**, such as 253 for 352. Say it with the places: "3 hundreds, 5 tens, 2 ones". Hundreds always go on the left.
- **10 or more in one place**, as in the Challenge. Ask "Can the ones place hold 14?"
- **A 0 in the ones place** (170, 670) shows there are no ones. It still has to be written.
- **Counting in 8s** is every other number when counting in 4s: 4, **8**, 12, **16**, 20, **24**…

Going further (5 minutes, no paper)

- **Swap shop:** swap ten 1p coins for one 10p. What is three 10p coins and twelve 1p coins? (42p)
- **Say it two ways:** you say 147; your child says "1 hundred, 4 tens, 7 ones". Then swap.
- **In the game:** Chapter 2, Ten tens, swaps 10 tens for 1 hundred, and 10 hundreds make 1,000.