Rounding to 100: answers and notes

What your child practised: finding the hundreds either side of a number and using the tens digit to round to the nearest 100 (Year 4 rounding).

Page 1 · Warm up

200, 270, **300** · **800**, 815, **900**
1,400, 1,460, **1,500**

Page 2 · Try it together

Answers will vary. Check the tens digit: 0–4 keeps the hundreds (e.g. 342 → 300), 5–9 adds one hundred (e.g. 287 → 300).

Page 2 · A. On the hill

620 → **600** · 685 → **700** · 650 → **700** (650 is on the top, so it rounds up)

Page 3 · D. Rounds to 500

Smallest **450**, largest **549**.

Page 3 · B. The table

438: 400, 500; 3 → **400**
750: 700, 800; 5 → **800**
85: 0, 100; 8 → **100**
1,349: 1,300, 1,400; 4 → **1,300**
2,961: 2,900, 3,000; 6 → **3,000**
4,050: 4,000, 4,100; 5 → **4,100**

Page 3 · C. True or false

351 → 400 **true**
1,250 → 1,200 **false** (1,300)
2,094 → 2,100 **true**
5,508 → 5,600 **false** (5,500)

Challenge: No. Rounding twice gives the wrong answer. To round to the nearest 100, look only at the tens digit of 349: it's 4, so 349 rounds **down** to **300**. On the hill, 349 is just before the top (350).

Watch out for

- **Rounding 5 down** (750 → 700, 1,250 → 1,200). A tens digit of 5 means round up.
- **Rounding in steps**, like Leo: 349 → 350 → 400. Always go back to the original number.
- **Going the wrong way** (438 → 500). Ask "Is it nearer 400 or 500?" and look at the hill.
- **Zeros**: in 5,508 the tens digit is 0, so it rounds down to 5,500.

Going further (5 minutes, no paper)

- **About how far?** Round distances on road signs or a map app to the nearest 100 metres.
- **Guess and round:** guess the number of steps to the end of the street, count them, then round.
- **In the game:** Chapter 4, Thousand Peaks, rounds 4-digit numbers to the nearest 1,000.