The deciding digit: answers and notes

What your child practised: finding the deciding digit (the ones) and using it to round 2-, 3- and 4-digit numbers to the nearest 10 (Year 4 rounding).

Page 1 · Warm up

63 · **218** · 4,**507** · 1,**995** (the ones digit each time)

Page 2 · Try it together

Answers will vary. Ones 0–4 keep the tens digit (582 → 580); 5–9 add one ten (586 → 590).

Page 2 · A. Up or down?

52: 2, down → **50** · 87: 7, up → **90**
125: 5, up → **130** · 364: 4, down → **360**
1,738: 8, up → **1,740**
2,095: 5, up → **2,100**

Page 3 · B. Sort

Rounds to 120: **118, 124, 115, 121**
Rounds to 130: **125, 127, 134, 129**

Page 3 · C. Missing digits

60–64: any of **0, 1, 2, 3, 4**
55–59: any of **5, 6, 7, 8, 9**
23_: any of **0, 1, 2, 3, 4**
1,4_7: only **4** (1,447 rounds up to 1,450)

Page 3 · D. Mystery number

65 (to round to 70 the ones digit must be 5 or more; odd and less than 7 leaves only 5)

Challenge: No. When rounding to the nearest 10, the deciding digit is the one to the right of the tens: the ones digit, **7**. 7 means round up, so 1,347 rounds to **1,350**. Ava looked at the tens digit itself.

Watch out for

- **Rounding 5 down** (125 → 120). 5 is in the "round up" group: 125 → 130.
- **Looking at the wrong digit**, like Ava. Point to the place you're rounding to, then move one step right.
- **Making the tens smaller** when rounding down (364 → 350). "Down" means the tens digit stays: 360.

Going further (5 minutes, no paper)

- **Up or down?** Say a 3-digit number you see out and about. Your child says "up" or "down".
- **Make it round to…:** say "make a number that rounds to 90" and take turns finding one.
- **In the game:** Chapter 3, Hundred Hills, uses the same trick to round to the nearest 100.