Tens and ones houses: answers and notes

What your child practised: the value of each digit in a 2-digit number (tens and ones), and how swapping the digits changes the number (Year 1 to Year 2 place value).

Page 1 · Warm up

62 = **6** tens and **2** ones
19 = **1** ten and **9** ones

Page 2 · Try it together

Answers will vary. The bigger number always has the bigger digit in the Tens room: 5 and 2 make 25 and **52**.

Page 2 · A. The houses

26 · **50** · **38**

Page 3 · B. The underlined digit

34: **30** · 71: **1** · 58: **50**
90: **90** · 16: **6** · 42: **40**

Page 3 · C. Fill the gaps

63 · **82** · 57 = **5** tens and **7** ones · 40 + **9** = 49

Page 3 · D. Two cards

28 and **82** (ring 82) · 16 and **61** (ring 61), in either order

Challenge: No. In **64** the 6 is in the Tens room, so it's worth **60**. In **46** the 6 is in the Ones room, so it's worth just **6**. A good answer names the rooms, or draws the sticks and cubes.

Watch out for

- **Reading digits one by one** ("four, seven" for 47). Ask what the 4 is worth, and read it as one number: forty-seven.
- **Writing tens and ones side by side**: 80 + 2 written as 802. The 2 goes in the ones place, where the 0 was: 82.
- **The teens**: in "nineteen" we hear the 9 first, but the 1 (one ten) is written first. Build 19 with 1 stick and 9 cubes.
- **Thinking a digit is always worth the same.** Use the Card houses game: the same card is worth more in the Tens room.

Going further (5 minutes, no paper)

- **Door numbers:** on a walk, read house numbers and ask "What's the first digit worth?"
- **Biggest and smallest:** give three digit cards. What's the biggest 2-digit number you can make? The smallest?
- **In the game:** Chapter 3, Tens Tower, counts in tens to 100 from any number.