# What's it worth? Answers and notes

What your child practised: finding the value of each digit in numbers up to 1,000,000, and splitting numbers into the values of their digits (Year 5).

### Page 1 · Warm up

47,215 → **7,000** · 702,318 → **700,000** · 15,370 → **70**

### Page 2 · Detective cards

Answers will vary. Check: the value is the digit followed by one 0 for each place to its right.

### Page 2 · A. The 8

845,120 → **800,000** · 58,031 → **8,000** · 120,086 → **80**
980,000 → **80,000** · 3,218 → **8**

### Page 3 · D. Mystery number

**406,471**: 4 hundred thousands, 0 ten thousands, 6 thousands, 4 hundreds (2 less than 6), 7 tens, 1 one.

### Page 2 · B. The 3 worth 30,000

Ring **130,452**, **435,000** and **31,600**.
Not 803,215 (3,000), 300,000 (300,000) or 23,040 (3,000).

### Page 3 · C. Split it

506,213 = **500,000 + 6,000 + 200 + 10 + 3**
47,090 = **40,000 + 7,000 + 90**
**235,406** = 200,000 + 30,000 + 5,000 + 400 + 6
**709,080** = 700,000 + 9,000 + 80

**Challenge:** No. Counting from the right, the 4 in 247,903 is in the **ten thousands** place, so it is worth **40,000**. Sam has counted one place too few.

## Watch out for

- **The wrong place**, like the 6 in 362,145 read as 6,000. Name the places from the right, or use the comma: just left of it is thousands.
- **Zeros in the split.** In 47,090 there are no hundreds or ones, so they are left out: 40,000 + 7,000 + 90.
- **Too many or too few zeros** in a value. A digit's value has one 0 for each place to its right.

## Going further (5 minutes, no paper)

- **What's it worth?** Read a long number out loud, like 528,316, then ask about one digit.
- **Change one digit:** what is 362,145 if the 6 becomes a 9? (392,145, now 30,000 more.)
- **In the game:** Chapter 3, Number Names, reads and writes these numbers in words.