Which is bigger? Answers and notes

What your child practised: comparing numbers up to 1,000,000 with <, > and =, and putting them in order (Year 5).

Page 1 · Warm up

70,000 **>** 69,999 · 405,000 **<** 450,000 · 98,700 **<** 100,000

Page 2 · Biggest and smallest

Answers will vary. Biggest: digits from largest to smallest. Smallest: smallest non-zero digit first, then the rest from smallest to largest.

Page 2 · A. Compare

256,301 **<** 265,301 · 89,999 **<** 100,001
504,000 **>** 54,000 · 730,100 **>** 730,010
400,000 + 6,000 **=** 406,000 · 999,999 **<** 1,000,000
85,420 **>** 85,402 · 300,000 + 20,000 **>** 302,000 (it is 320,000)

Page 3 · B. In order

34,560 · 345,060 · 345,600 · 354,060
78,000 · 87,000 · 708,000 · 780,000

Page 3 · C. Missing digits

45**9**,210 > 458,999: only **9** works (450,210 to 458,210 are all smaller).
4**0**2,500, 4**1**2,500 and 4**2**2,500 are less than 432,000: **0, 1 or 2**. With 3, 432,500 is too big.

Page 3 · D. Rockets

Nova (560,030), **Comet** (506,300), **Star** (506,030), **Orbit** (56,300)

Challenge: No. 73,850 has 5 digits and 412,600 has 6, so **412,600 is bigger**. The 7 is worth 70,000 but the 4 is worth 400,000. So 73,850 < 412,600.

Watch out for

- **Comparing first digits only** (73,850 > 412,600). Count the digits first.
- **Lining up from the left** when lengths differ. Line numbers up by their ones digit.
- **Mixing up < and >**. The open side faces the bigger number: say "is less than" aloud.

Going further (5 minutes, no paper)

- **Higher or lower:** think of a number up to 1,000,000; your child guesses, you say higher or lower.
- **Order the house:** find big numbers at home and put them in order.
- **In the game:** this is the last chapter. Replay any chapter that felt tricky.