

Answer Key — Ordering & Comparing Numbers

Year 4 Mathematics · Number and algebra · WA4MNAPV1

Section A — Fluency (16 marks, 1 mark each)

1. >
2. =
3. <
4. >
5. >
6. <
7. >
8. =
9. >
10. <
11. >
12. <
13. >
14. <
15. <
16. >

Section B — Core (21 marks)

1. $4,125 < 4,251 < 4,512 < 4,521$. [2 marks correct order, 1 mark all four placed correctly]
2. (a) Pinevale 12,405; Riverton 12,450; Mapleton 12,504; Oakdale 12,540. (b) Oakdale. [3 marks order, 1 mark largest]
3. Any number between 23,600 and 23,700, e.g. 23,650. [3 marks for any valid answer]
4. (a) Noah 384cm; Leo 383cm; Amelia 348cm; Zoe 338cm. (b) Noah. [3 marks order, 1 mark furthest]
5. 71,020; 70,210; 70,120; 70,102. [2 marks correct order, 1 mark all four placed correctly]
6. (a) Week 3 \$8,405; Week 1 \$8,450; Week 2 \$8,540; Week 4 \$8,504 — correct order is Week 3, Week 1, Week 4, Week 2. (b) Week 2. [3 marks order, 1 mark most money]

Section C — Reasoning (9 marks) — sample responses, award marks for valid reasoning

1. Compare the digits from left to right (starting with the highest place value); the first place where the digits differ decides which number is bigger. [2 marks]
2. The student compared individual digits instead of place value — 6,000 has more thousands than 5,999 has, so 6,000 is actually the bigger number, regardless of the 9s in 5,999. [2 marks]
3. A number with more digits is always bigger than one with fewer digits, no matter what those digits are, so checking digit count first avoids an incorrect comparison. [2 marks]
4. No, the student is not correct. If the first three place values match, the numbers can only differ by less than 100, e.g. 34,512 and 34,598 share the same ten-thousands, thousands and hundreds digits but differ by only 86. [3 marks]

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Section D — Challenge (7 marks)

1. Any number from 34,561 to 34,569, e.g. 34,565. [2 marks]
2. Largest: 85,320. Smallest: 20,358 (0 cannot be the first digit). [1 mark each]
3. Any three valid arrangements not starting with 0, e.g. 71,710, 17,701, 77,110, with the largest of the student's three correctly identified. [2 marks valid numbers, 1 mark correct largest]