

WA4MNAPV1

Understanding number

Core + Challenge

Ordering & Comparing Numbers

I can compare and order numbers to 5 digits using $<$, $>$ and $=$.

Name: _____ Date: _____ Score: / 53

Key idea

Comparing numbers: first compare the number of digits — a number with more digits is always bigger. If both numbers have the same number of digits, compare the digits from left to right (highest place value first) until you find a difference.

E.g. **45,310** and **45,103**: both start with 45, then $3 > 1$, so **45,310 > 45,103**.

A Fluency *practise the skill*

/16 marks

Write $<$, $>$ or $=$ between each pair of numbers.

1. 4,532 ____ 4,325 _____

2. 18,204 ____ 18,204 _____

3. 7,890 ____ 7,980 _____

4. 23,451 ____ 23,415 _____

5. 60,000 ____ 59,999 _____

6. 9,999 ____ 10,000 _____

7. 45,310 ____ 45,103 _____

8. 12,345 ____ 12,345 _____

9. 8,765 ____ 8,756 _____

10. 33,201 ____ 33,210 _____

11. 70,500 ____ 70,050 _____

12. 5,004 ____ 5,040 _____

13. 15,670 ____ 15,607 _____

14. 28,888 ____ 28,898 _____

15. 61,205 ____ 61,250 _____

16. 40,000 ____ 39,999 _____

B Core *apply the skill to problems*

/21 marks

1

Order these numbers from smallest to largest: 4,521 4,251 4,512 4,125

[3 marks]

Answer: _____

2

Four towns have these populations: Riverton 12,450; Oakdale 12,540; Pinevale 12,405; Mapleton 12,504. (a) Order the populations from smallest to largest. (b) Which town has the largest population?

[4 marks]

Ordering & Comparing Numbers · WA4MNAPV1

Answer: _____

3

Write a number that lies between 23,600 and 23,700.

[3 marks]

Answer: _____

4

Four students' long jump distances were recorded: Amelia 348cm, Noah 384cm, Zoe 338cm, Leo 383cm. (a) Order the distances from longest to shortest. (b) Who jumped the furthest?

[4 marks]

Answer: _____

5

Order these numbers from largest to smallest: 70,102 70,120 71,020 70,210

[3 marks]

Answer: _____

6

A charity tracked donations across 4 weeks: Week 1 \$8,450; Week 2 \$8,540; Week 3 \$8,405; Week 4 \$8,504. (a) Order the weekly totals from smallest to largest. (b) In which week was the most money raised?

[4 marks]

Answer: _____

C**Reasoning** *explain, justify and check***/9 marks**

Ordering & Comparing Numbers · WA4MNAPV1

1

Explain the method you use to compare two 5-digit numbers that have the same number of digits.

[2 marks]

2

A student says 5,999 is bigger than 6,000 because 9 is a bigger digit than 6. Explain the student's mistake.

[2 marks]

3

Explain why it's important to compare the number of digits in two numbers before comparing the individual digits.

[2 marks]

4

Two numbers have the same digits in the ten-thousands, thousands and hundreds places, but different digits in the tens and ones places. A student says these two numbers must be very different in value. Is the student correct? Explain, using an example.

[3 marks]

D

Challenge *multi-step and problem-solving*

/7 marks

1

Find a 5-digit number that is greater than 34,560 but less than 34,570.

[2 marks]

Answer: _____

Ordering & Comparing Numbers · WA4MNAPV1

2

Using the digits 2, 5, 8, 0, 3 once each, write the largest possible 5-digit number, then the smallest possible 5-digit number (the number cannot start with 0).

[2 marks]

Answer: _____

3

Using the digits 7, 7, 1, 1, 0 once each, list three different 5-digit numbers you can make (the number cannot start with 0), then state which of your three is the largest.

[3 marks]

Answer: _____

How did I go?

Fluency ____/16 Core ____/21 Reasoning ____/9 Challenge ____/7 **Total ____/53**

Stuck on a section? Our Year 4 tutors can show you exactly what to practise next. **Book a free trial class at edulift.com.au**