

WA5MNAUN2

Understanding number

Core + Challenge

NAPLAN-style

Comparing and Ordering Decimals

I can compare and order decimals to hundredths using grids, number lines and place value.

Name: _____ Date: _____ Score: _____ / 56

Key idea

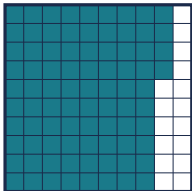
Compare decimals from the **left**: first the **ones**, then the **tenths**, then the **hundredths**.

Give both numbers the **same number of decimal places**: $0.2 = 0.20$ (2 tenths = 20 hundredths).

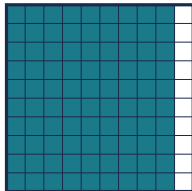
Numbers get **bigger** to the **right** on a number line. < means **less than**; > means **greater than**.

Example: $0.84 < 0.9$, because 84 hundredths is less than 90 hundredths. The grids show it.

0.84



0.9 = 0.90



A

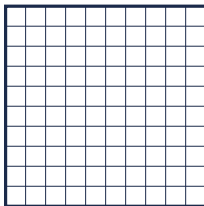
Warm up *shade, compare and order*

/ 16 marks

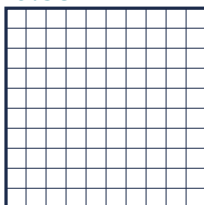
Shade both grids. Then write <, > or = in the box. 1 mark each.

1 0.6 0.58

0.6

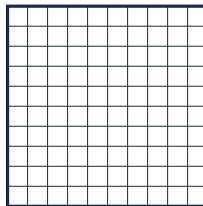


0.58

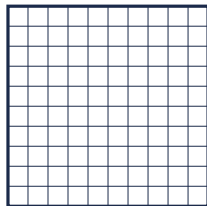


2 0.07 0.1

0.07

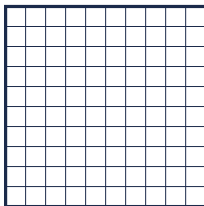


0.1

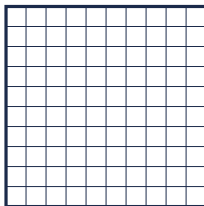


3 0.4 0.40

0.4

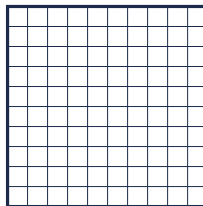


0.40

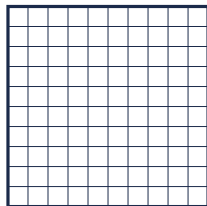


4 0.35 0.53

0.35



0.53



Comparing and Ordering Decimals · WA5MNAUN2

Write $<$, $>$ or $=$ in the box. 1 mark each.

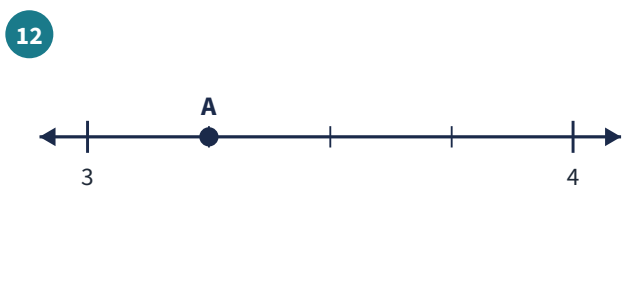
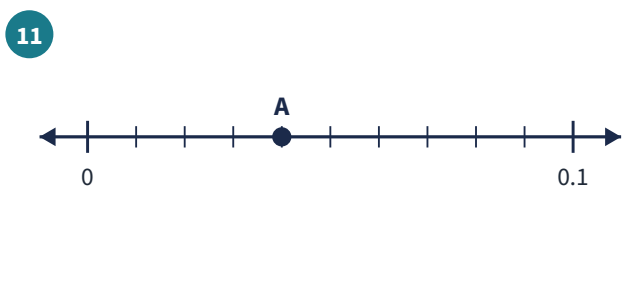
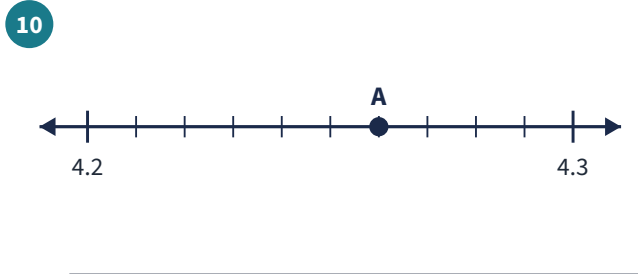
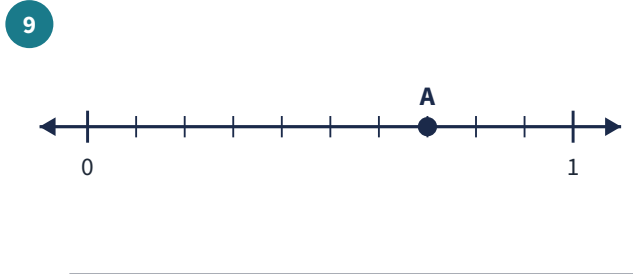
5 $3.09 \square 3.1$

6 $12.5 \square 12.49$

7 $0.8 \square 0.08$

8 $5.70 \square 5.7$

Each number line is split into equal steps. What decimal is at A? 1 mark each.



Circle the correct number. 1 mark each.

13 Circle the **largest**.

- 0.5 0.49
0.45 0.09

14 Circle the **smallest**.

- 2.1 2.09
2.19 2.9

15 Circle the number **between** 0.6 and 0.7.

- 0.06 0.67
0.76 6.7

16 Circle the number **equal** to 0.3.

- 0.03 0.30
3.0 0.33

B Practise use the skill

/ 21 marks

- 1 Five friends ran 100 m at the school carnival. The **smallest** time wins. Write **1st** to **5th** in the bottom row. [2 marks]

Runner	Ava	Ben	Chloe	Dev	Ella
Time (s)	14.53	14.6	14.35	15.02	14.09
Place					

Comparing and Ordering Decimals · WA5MNAUN2

- 2 Write **three** different decimals that are between **4.6** and **4.7**. Mark each one on the number line with a dot. [3 marks]



Answer: _____

- 3 Four stalls at the school fete sell sausages in bread. **a)** Write the prices from **cheapest** to **dearest**. **b)** Mia has **\$4.20**. Which stalls could she buy from? [2 marks]

Stall	Stall A	Stall B	Stall C	Stall D
Price	\$4.50	\$4.05	\$4.55	\$4.15

Answer: _____

- 4 Write **7.08** and **7.1** in the place-value chart. Circle the **larger** number. Explain. [2 marks]

	Ones	Tenths	Hundredths
7.08			
7.1			

Answer: _____

- 5 Long jumps (in metres): Kai **2.8**, Liam **2.08**, Maya **2.85**, Noor **2.58**, Omar **2.5**. **a)** Mark each jump on the number line with the first letter of the name. **b)** Who jumped **furthest**? [3 marks]



Answer: _____

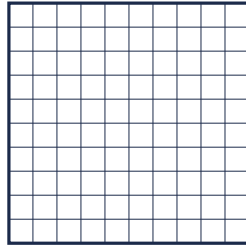
- 6 Rainfall in Perth one week (in mm) is shown. **a)** Which day was the **wettest**? **b)** Write the amounts from **least** to **most**. [3 marks]

Day	Mon	Tue	Wed	Thu	Fri
Rain (mm)	2.4	12.6	0.8	2.35	12.06

Answer: _____

Comparing and Ordering Decimals · WA5MNAUN2

- 7 Shade **0.7** of the strip. Shade **0.68** of the grid. Which number is **larger**? By how many hundredths? [2 marks]



Answer: _____

- 8 Write a decimal in each box to make the statement true. [2 marks]

a) $7.9 < \square < 8$ b) $0.4 < \square < 0.45$

- 9 Circle the list that is in order from **smallest** to **largest**. Then explain the mistake in the last list. [2 marks]

0.4, 0.35, 0.09, 0.8

0.09, 0.35, 0.4, 0.8

0.35, 0.4, 0.8, 0.09

0.09, 0.4, 0.35, 0.8

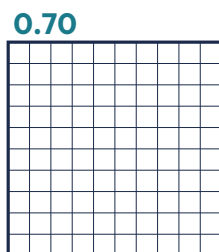
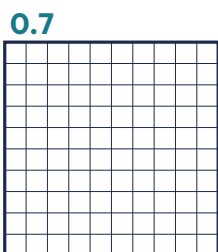
Answer: _____

C Think it through *explain your thinking*

/ 10 marks

- 1 Sam says, “0.35 is bigger than 0.4, because 35 is bigger than 4.” Do you agree with Sam? Explain, using the word **hundredths**. [2 marks]

- 2 **True or false?** “Putting a zero on the end of a decimal makes it 10 times bigger, so 0.70 is bigger than 0.7.” Shade the grids to prove your answer. [2 marks]



Comparing and Ordering Decimals · WA5MNAUN2

- 3 **Always, sometimes or never true?** “Two decimals have the same whole-number part. The one with the bigger tenths digit is the bigger number.” [2 marks]
Circle one and explain.

Always / **Sometimes** / **Never**

- 4 Which is the **odd one out**? Circle it and explain. [2 marks]

1.3

1.30

13 tenths

1.03

- 5 Sort the numbers into the table: 2.05, 2.5, 2.45, 2.58, 3.5, 2.55, 0.5, 2.9. [2 marks]
Where did you put **2.05**? Explain why.

	5 in the tenths place	No 5 in the tenths place
Less than 2.5		
2.5 or more		

D Challenge *stretch yourself*

/ 9 marks

- 1 Use each card **once** to make a decimal with **two** decimal places (a number like 5.24). Find **all** the possible numbers. Write them from **smallest** to **largest**. [3 marks]

3	7	0	.
---	---	---	---

Answer: _____

Comparing and Ordering Decimals · WA5MNAUN2

- 2 In a swimming race, Ruby (R) swam **32.4 s** and Jess (J) swam **32.5 s**. **a)** Mai was **6 hundredths** of a second faster than Ruby. What was Mai's time? Mark it **M**. **b)** Tia was slower than Ruby but faster than Jess. Give a possible time for Tia and mark it **T**. **c)** Write the four names, fastest first. [3 marks]



Answer: _____

- 3 Leo says, "There are **no** numbers between 0.4 and 0.41." **a)** Show that Leo is wrong by marking a number on the zoomed-in line. **b)** How many numbers with **three** decimal places are between 0.4 and 0.41? [3 marks]



Answer: _____

How did I go?

Warm up ____ / 16 Practise ____ / 21 Think it through ____ / 10 Challenge ____ / 9 **Total ____ / 56**

Want help with Year 5 maths? Our tutors make it click. **Book a free trial class at [edulift.com.au](https://www.edulift.com.au)**