Order and compare decimals

1 Which number is greater?

Tick your answer.
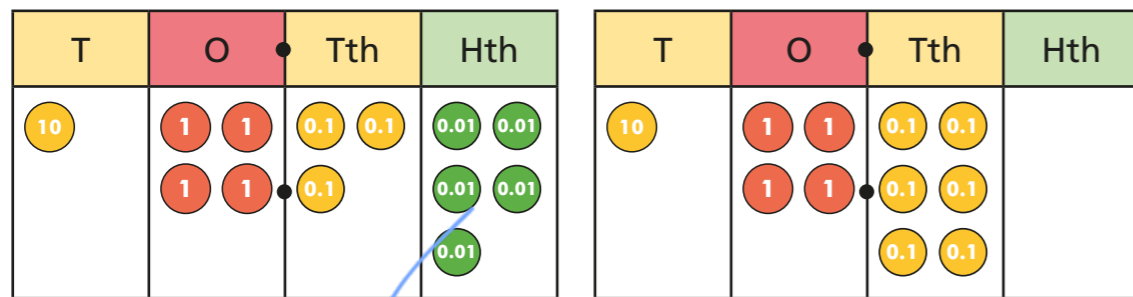
T	O	Tth	Hth
	① ①	⓪.1 ⓪.1	⓪.01 ⓪.01
		⓪.1	⓪.01 ⓪.01
			⓪.01

T	O	Tth	Hth
	① ①		⓪.01 ⓪.01
	① ①		
	① ① ✓		
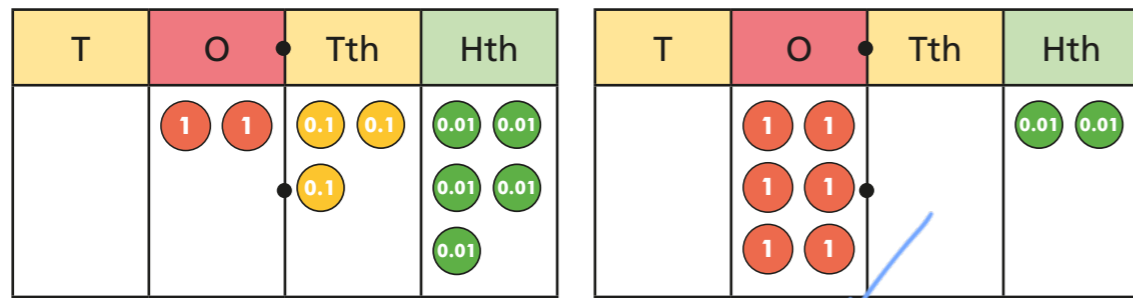
Explain your answer.

It has more ones.

2 Which is the smaller number?

Tick your answer.

T	O	Tth	Hth
⑩	① ①	⓪.1 ⓪.1	⓪.01 ⓪.01
	① ①	⓪.1	⓪.01 ⓪.01
			⓪.01 ✓

T	O	Tth	Hth
⑩	① ①	⓪.1 ⓪.1	
	① ①	⓪.1 ⓪.1	
		⓪.1 ⓪.1	

Explain your answer.

It has fewer tenths.

3 Use place value counters to make each of the numbers.

4.13	4.08	5.1
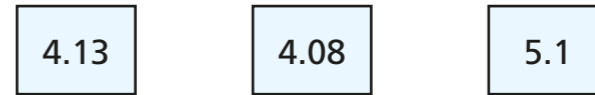
a) Which is the greatest number? `5.1`

b) Which is the smallest number? `4.08`

How do you know?

4 Here are some numbers in a place value chart.

Ones	Tenths	Hundredths	Thousandths
3	2	3	4
3	1	6	
3	2	0	8
3	1	4	5

Write the numbers in order, starting with the greatest.

3.234	3.208	3.16	3.145

5 Mo, Amir, Ron, Teddy and Jack are measuring their heights with a metre rule.

Mo	Amir	Ron	Teddy	Jack
1.35 m	1.53 m	1.32 m	1.3 m	1.5 m
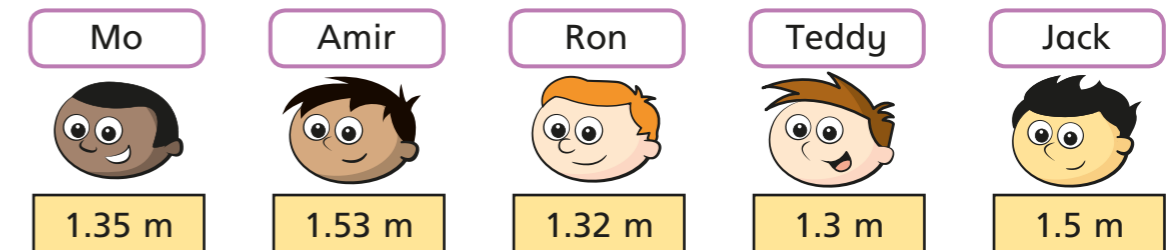
Write the names and heights of the children in order from shortest to tallest.

Name	Height
Teddy	1.3m
Ron	1.32 m
Mo	1.35 m
Jack	1.5m
Amir	1.52m

6 Alex and Dora are competing in the long jump.

Alex jumps 1.35 metres and Dora jumps 1.4 metres.

> Alex wins because 35 is greater than 4
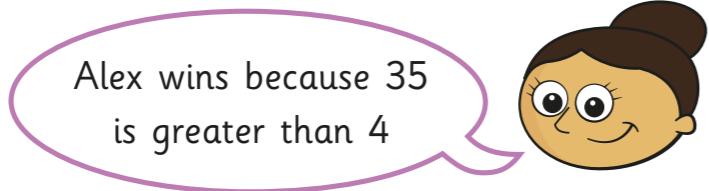
a) Is Dora correct? __No__

Talk about it with a partner.

b) Kim joins in the competition.

What is the shortest distance she can jump to go into the lead?

_____ 1·41 m _____

7 Write the numbers in ascending order.

a)

| 0.45 | 0.654 | 0.546 | 0.405 |

| 0·405 | 0·45 | 0·546 | 0·654 |

b)

| 7.2 kg | 7.212 kg | 7.21 kg |

| 7·2kg | 7·21kg | 7·212kg |

c)

| 25.391 | 25.309 | 25.093 | 25.193 |

| 25·093 | 25·193 | 25·309 | 25·391 |

8 Dexter is thinking of a number.

> It is a decimal number with 2 decimal places that is greater than 2.47 but less than 2.58
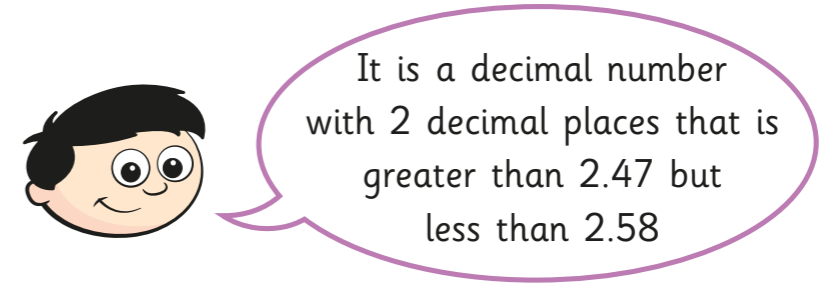
What possible numbers could Dexter be thinking of?

_2·48, 2·49, 2·50, 2·51, 2·52, 2·53, 2·54, 2·55, 2·56, 2·57_

_____

9 Tick the numbers that are equal to 2.5

Circle the numbers that are greater than 2.5

You will need to convert the mixed numbers to decimal numbers first.

| 2.05 | $2\frac{5}{10}$ ✓ | $2\frac{1}{2}$ ✓ |

| $2\frac{5}{100}$ | 2.53 (circled) | $2\frac{3}{5}$ (circled) |

| 2.501 (circled) | $2\frac{80}{100}$ (circled) | $2\frac{3}{10}$ |