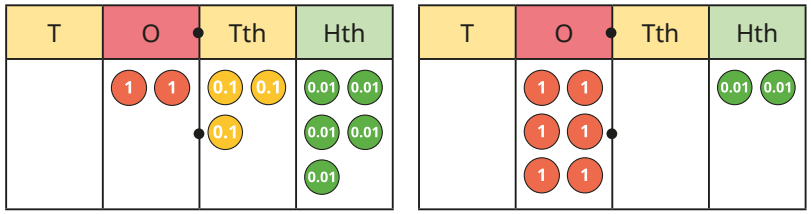
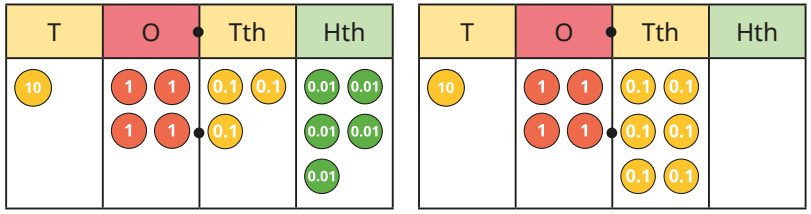
Order and compare any decimals with up to 3 decimal places

1 Which number is greater?



Explain your answer.

2 Which is the smaller number?



Explain your answer.

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

4.13	4.08	5.1

a) Which is the greatest number?

b) Which is the smallest number?

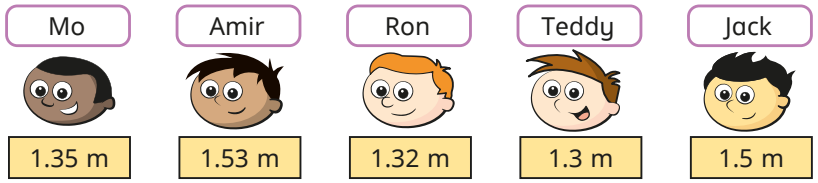
How do you know?

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 number.

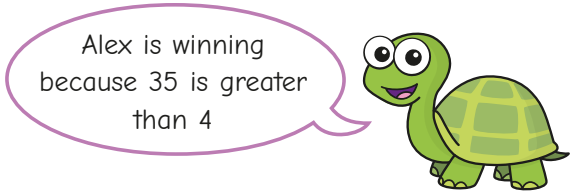
5 The children are measuring their heights with a metre ruler.



Write the names and heights of the children in order from shortest to tallest.

6 Alex and Dora are competing in the long jump.

Alex jumps 1.35 m and Dora jumps 1.4 m.



a) Is Tiny correct?

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?

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4 Here are some numbers in a place value chart.

Ones	Tenths	Hundredths	Thousandths
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Write the numbers in order, starting with the greatest number.

5 The children are measuring their heights with a metre ruler.

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.

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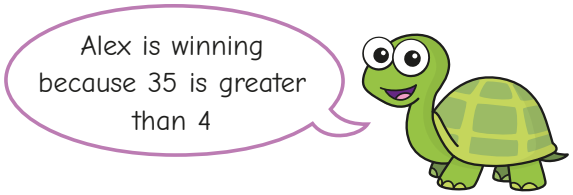
Alex jumps 1.35 m and Dora jumps 1.4 m.



a) Is Tiny correct?

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?

7 Write the numbers in ascending order.

a)	0.45	0.654	0.546	0.405
b)	7.2 kg	7.212 kg	7.21 kg	7.201 kg
c)	25.391	25.309	25.093	25.193

8 Dexter is thinking of a number.

What numbers could Dexter be thinking of?

9 Here are some numbers.

2.05	$2\frac{5}{10}$	$2\frac{1}{2}$
$2\frac{5}{100}$	2.53	$2\frac{3}{5}$
2.501	$2\frac{80}{100}$	$2\frac{3}{10}$

a) Which of the numbers are equal to 2.5?

b) Which of the numbers are greater than 2.5?

Compare methods with a partner.