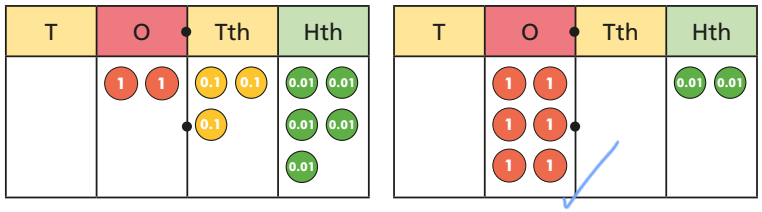
Order and compare decimals

1 Which number is greater?

Tick your answer.

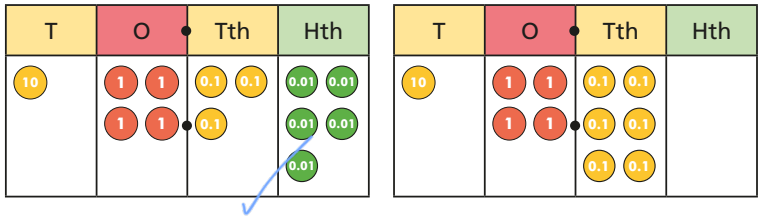


Explain your answer.

It has more ones.

2 Which is the smaller number?

Tick your answer.



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	1·32m
MO	1·35m
Jack	1·5m
Amir	1·52m

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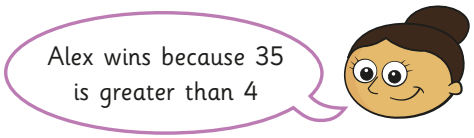
6 Alex and Dora are competing in the long jump.

Alex jumps 1.35 metres and Dora jumps 1.4 metres.



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

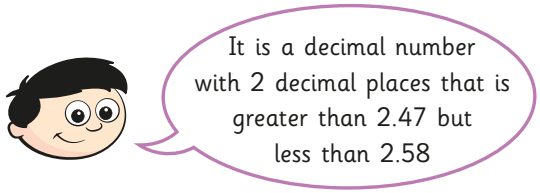
b) 7.2 kg 7.212 kg 7.21 kg

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.



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

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