

Order decimals



I Here are four numbers on place value charts.

a) What number is represented in each place value chart?

A

Ones	Tenths	Hundredths
1 1 1	0.1	0.01 0.01 0.01 0.01

B

Ones	Tenths	Hundredths
1 1 1 1	0.1	0.01 0.01 0.01 0.01

C

Ones	Tenths	Hundredths
1 1 1	0.1	0.01 0.01 0.01 0.01 0.01

D

Ones	Tenths	Hundredths
1 1 1	0.1 0.1	0.01 0.01 0.01

b) Write the numbers in ascending order.

smallest

greatest

2 a) Write digits to show the number represented in each place value chart.

O	Tths	Hths
1	0.1 0.1 0.1 0.1	0.01 0.01

O	Tths	Hths
1 1		0.01 0.01 0.01 0.01 0.01 0.01

O	Tths	Hths
1 1	0.1 0.1 0.1	

O	Tths	Hths
1	0.1 0.1 0.1	0.01 0.01 0.01

b) Write the numbers in ascending order.

3 Write the numbers in descending order.

1.42

4.12

1.24

2.41

4 Teddy's teacher asks him to put some numbers in ascending order.

Here is his answer.

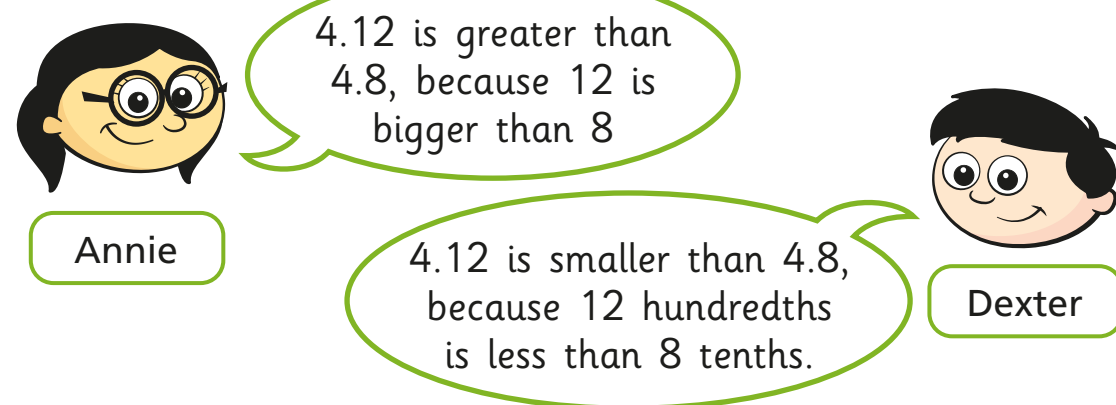
0.64 12.7 2.83

Do you agree with Teddy? _____

Talk about it with a partner.



- 5 Annie and Dexter are comparing the decimals 4.12 and 4.8



Who do you agree with? _____

Explain your answer.

- 6 Write $<$ or $>$ to complete the statements.

Decide whether the numbers are ascending or descending in each part.

- a) 3.2 3.8 3.9 _____
- b) 0.41 0.38 0.25 _____
- c) 4.2 4.17 4.085 _____

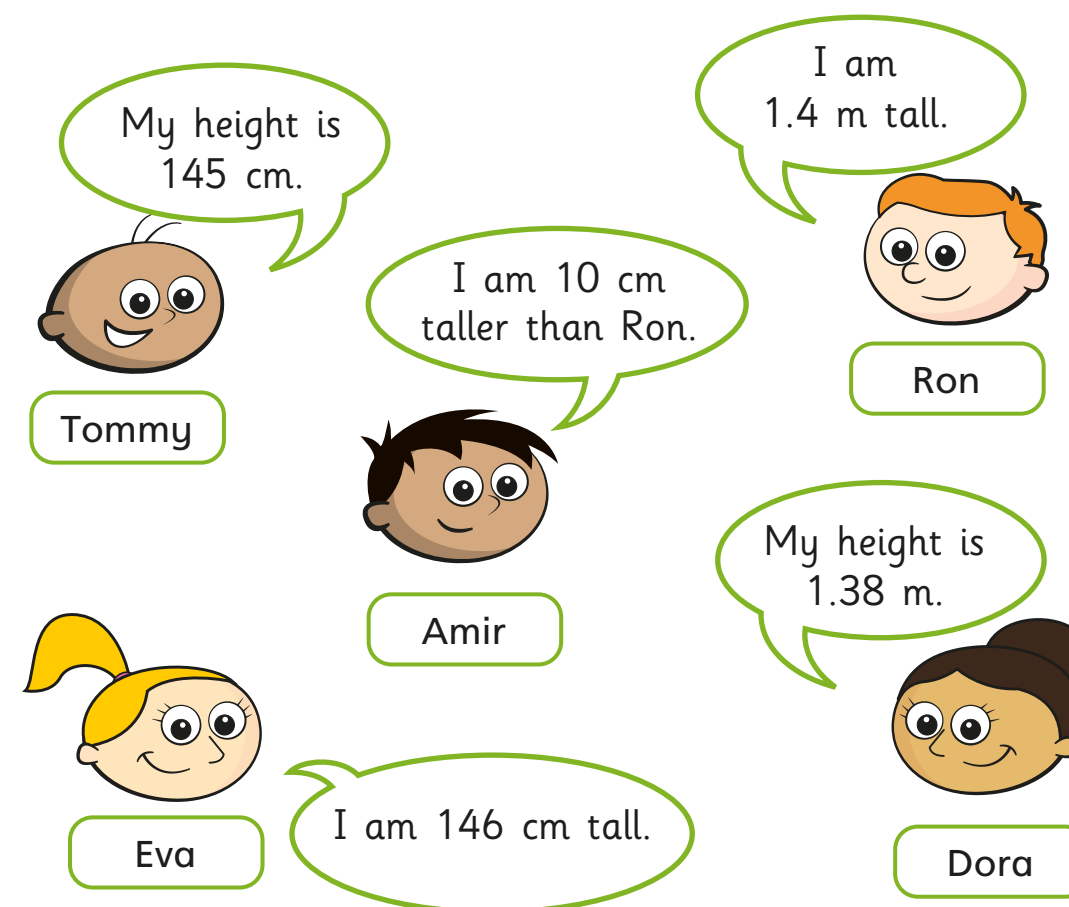
- 7 Write the numbers in ascending order.

- a) 2.38 0.97 1.45 1.81

- b) 0.64 0.7 0.09 0.46

- c) 12.3 2 7.83 0.99

- 8 Tommy, Ron, Amir, Dora and Eva have measured their heights.



Write the children's names in order from shortest to tallest.

- 9 Here are two lists of numbers.

Use the digits 0 to 9 once each to complete the lists.

ascending order $__.4__$ $__.41$ $7.__9$ $__.41$

descending order $__.41$ $7.__9$ $__.41$ $__.4__$

Compare answers with a partner.

Is there more than one way to complete each list?