30.04.20

WALT order and compare decimals.

WILF:

- Use your understanding of place value.
- Order numbers as directed.
- Show which decimal is greater and which is smaller.

Click on the picture to watch a video song on how to do this! ☺

When we compare decimals, it's important to look at each digit for it's place value. Start on the left, then work your way right. If it helps, use a place value column.

Order these decimals from largest to smallest: 0.572 0.91 0.972

Ones	Tenths	Hundredths	Thousandths
0 .	5	7	2
0 .	9	1	0
0 .	9	7	2

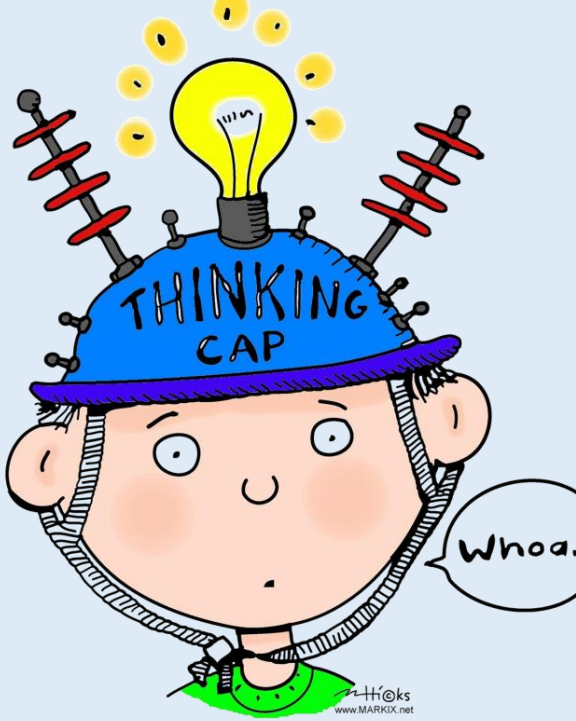
First, look at the tenths. Find the biggest number.

Next, look at the hundredths. Find the biggest number. If nothing is there, use 0 as a place holder.

Finally, look at the thousandths. Find the biggest number. If nothing is there, use 0 as a place holder.

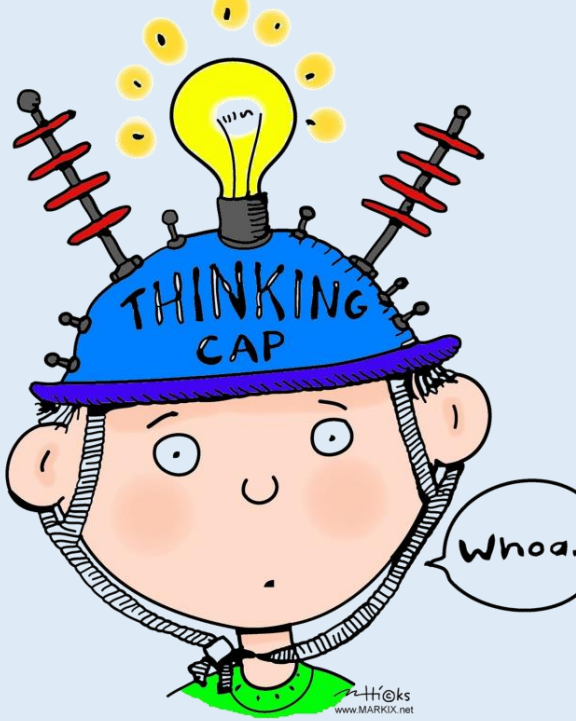
The correct order is:

Greatest to smallest: 0.972, 0.91 , 0.572



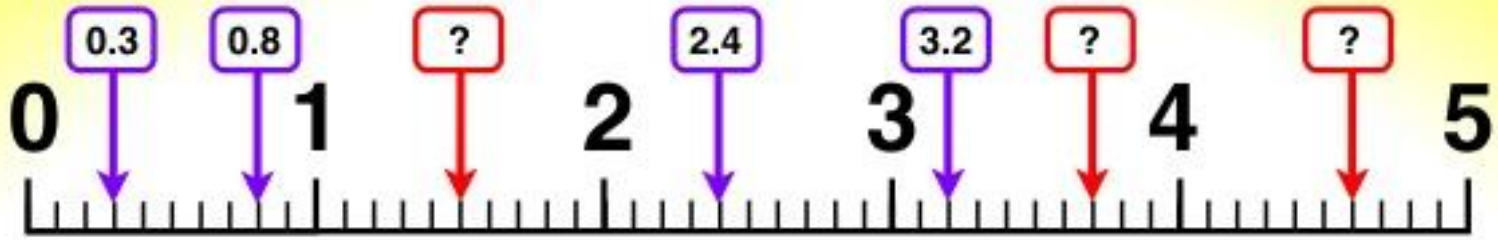
Can you explain why?

We can also use a number line for this.

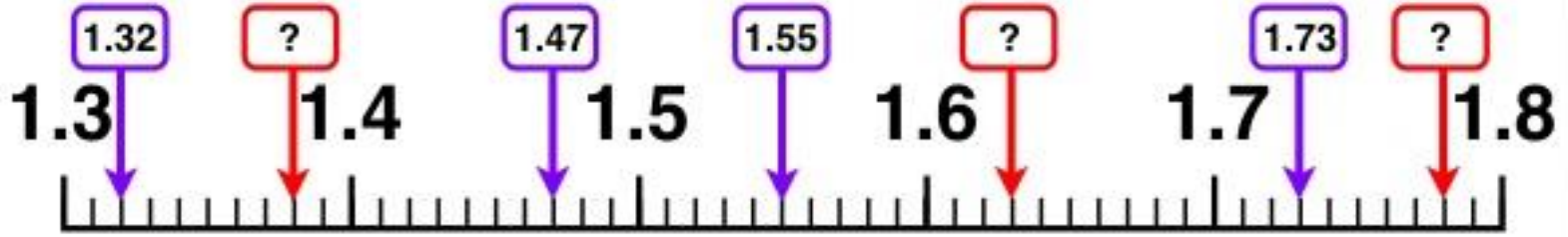


Number lines can help us to compare decimals.

The number line below shows units and tenths.



This number line shows units, tenths and hundredths.



*What decimal numbers are the **red arrows** pointing to?*

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Remember: it's all about the value.

You need to look at which is the greater number as you move along the columns to find the larger overall amount.

Which is greater? 1.75 or 1.391? Explain why.

Ones	Tenths	Hundredths	Thousandths
1	7	5	
1	3	9	1

First, look at the tenths. Find the biggest number.

Next, look at the hundredths. Find the biggest number. If nothing is there, use 0 as a place holder.

Finally, look at the thousandths. Find the biggest number. If nothing is there, use 0 as a place holder.

You could have answered something like:
1.75 is greater than 1.391 because in the tenths column, 7 has a greater value than 3.

Now try today's work.