

MATHEMATICS

our numbers

Some interesting facts about numbers:

1. **0** has been very important for counting and calculation: can you guess why?
2. Can you think why **0** is used to mark the where negative temperatures start on the Celsius temperature scale (0°)?
3. 32° is freezing point of water on the Fahrenheit temperature scale. Think of some advantages or disadvantages of both temperature scales.
4. Why is the latitude of the equator **zero** degrees (0°)?
5. Compare the way we express quantities (Arabic numerals) with Roman numerals.
6. How many bones are there in the human neck?
7. Which is the result of adding the opposite sides of a dice?

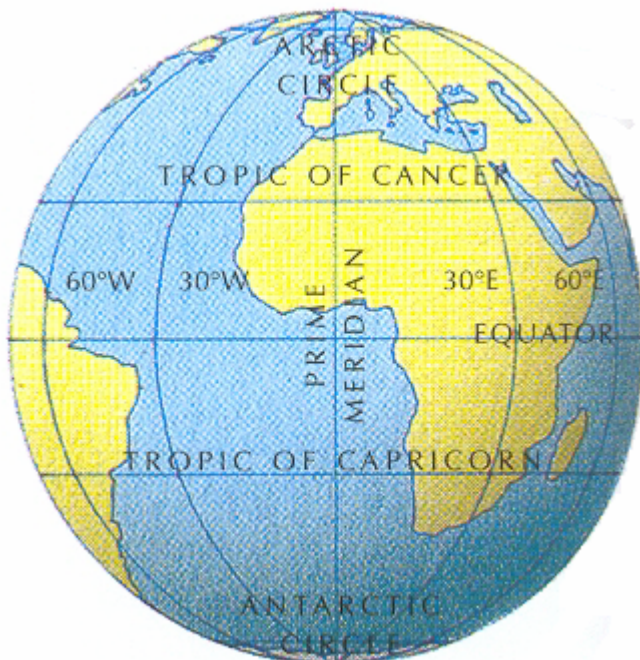
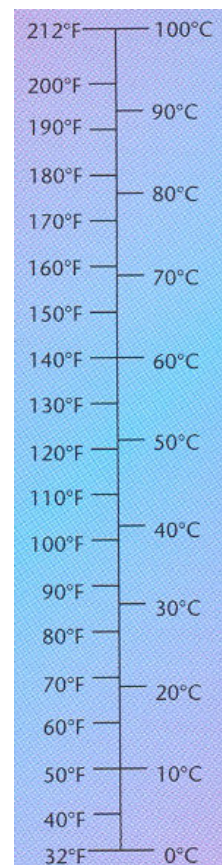


Image from the Children's Illustrated Reference Atlas, Brian Delf, Dorling Kindersley Ltd. London.

Use an encyclopaedia to find out more about Fahrenheit and Celsius



The Celsius and Fahrenheit Temperature Scales
Image from the Usborne Science Encyclopedia.

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Place value 1

Tens Number System:

- The Tens Number System is also called **Denary System**.
- A single figure is called **digit**.
- Groups of digits are called **numbers**.
- Place Value is the position of a digit in a number.

	Th/Th	H/Th	T/Th	Th	H	T	U
One Million (Thousand Thousands) ←	1	0	0	0	0	0	0
One Hundred Thousand ←		1	0	0	0	0	0
Ten Thousand ←			1	0	0	0	0
One Thousand ←				1	0	0	0
One Hundred ←					1	0	0
Ten ←						1	0
One ←							1

- Going from right to left each column is ten times greater than previous.



Write in figures:

	Th/Th	H/Th	T/Th	Th	H	T	U
Thirty-four thousand one hundred and nine							
Seven million two hundred and twenty-five							
Eighty-eight							
Fourteen							
Five thousand six hundred and fifty							
One million one hundred thousand and one							
Four hundred thousand and sixty-three							
Seven							
Nine hundred and forty-five							

Count aloud: each child at your table says one number starting by zero, one... and lets see how far can you arrive without mistakes. If any of you makes a mistake you need to start again.

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Place value 2

Place value:

Thou- sands	Hundreds	Tens	Units Ones	.	Tenths	Hundredths
4	6	9	3	.	2	7



Fill in the grid with the numbers given:

Thousands	Hundreds	Tens	Units Ones	.	Tenths	Hundredths

24 3,051 29.43 50,691.18 190.5
 6.02 7,328.69 830 4.5 64.3

What happens if you place the same figure in different positions of the grid?