Ohm's Law
Solving the Problems

The Interesting World of Numerals

Do you know that

... resistance* of the man's skin usually changes from **1** kOhm (for wet skin) to **500** kOhms (for dry skin). The resistance of the other parts of the body equals from **100** to **500** Ohms.

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*resistance - сопротивление

Cardinal Numerals

Solve the problems and read them.

1. 1,203+41=
2. 859-602=
3. 618:6=
4. 3,550x5=
5. 12x12=
6. 37:37=
7. 1000:25=

Use these words and phrases:

plus	плюс
minus	минус
equals	равно
divided by	Деленное на
multiplied by	Умноженное на

Ordinal Numerals

one – the first

two – the second

three – the third

four – the fourth

five – the fifth

six – the sixth

twenty-one – the twenty-first

fifty-seven – the fifty-seventh

Number the months of the year

..... October	..... April
.....July	..... September
..... January	..... March
..... June	..... November
..... February	..... May
..... December	..... August

Common and Decimal Fractions

½ - one half (a half)

1/3 – one third (a third)

2/7 – two sevenths

3 ½ -three and a half

7 1/7 – seven and one seventh

5 3/7 – five and three sevenths

0 point nine

0.9 nought point nine

zero point nine

0.002 – zero point two zeros two

83.97 – eighty-three point nine seven

1.1 – one point one

The Interesting World of Numerals

Do you know that

Ohm's law in which the scientist gave his complete theory of electricity appeared in **1827**, but it was recognised by The Royal Society with its award of Copley Medal only in **14** years in **1841**.

Ohm's Law

$R = \frac{V}{I}$ Resistance equals voltage divided by current

$I = \frac{V}{R}$ Current equals voltage divided by resistance

$V = IR$ Voltage equals current times resistance

New words

- **current** – электрический ток
- **resistance** – сопротивление
- **voltage** – напряжение
- **law** - закон

George Ohm

- Born 16 March 1789
- Erlangen, Brandenburg-Bayreuth
- Died 6 July 1854 (aged 65)
- Munich, Kingdom of Bavaria
- Residence Brandenburg-Bayreuth, Bavaria
- NationalityGerman
- Fieldsphysics (electricity)
- Institutions University of Munich
- Alma mater University of Erlangen
- Doctoral advisor Karl Christian von Langsdorf
- Known for Ohm's law
  Ohm's phase law
  Ohm's acoustic law
- Notable awards Copley Medal (1841)