Math fun and facts

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“Education should be started with mathematics. For it forms well designed brains that are able to reason right. It is even admitted that those who have studied mathematics during their childhood should be trusted, for they have acquired solid bases for arguing which become to them a sort of second nature”

- Ibn Khaldun(born in 1332, Tunis), historian, sociologist, philosopher
The importance of Mathematics in everyday life
The importance of Mathematics in everyday life

For a Chocolate cake: 5 eggs, 3/4 cup of sugar, 1/2 cup of vegetable oil,...
The importance of Mathematics in everyday life

Percentage
The importance of Mathematics in everyday life

Percentage
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The importance of Mathematics in everyday life

Bank: savings and credit
- With some good understanding of simple and compound interest, you can manage the way your money grows.
The importance of Mathematics in everyday life

Chance to win in lottery: **Probability**

- The mathematical concept that deals with the chance of winning a lottery game is probability...
The importance of Mathematics in everyday life

Area

If you want to calculate how much paint, wallpaper, flooring, carpeting, or tile you have to buy for your project you must know the area of the wall or floor.
The importance of Mathematics in everyday life

Geometry in clothing
The importance of Mathematics in everyday life

Geometry in house decoration
The importance of Mathematics in everyday life

Geometry vehicle logo
The importance of Mathematics in everyday life

Geometry in architecture
The importance of Mathematics in everyday life

Symmetry in the nature: peacock
The importance of Mathematics in everyday life

Symmetry in the nature: flowers

Daisy
The importance of Mathematics in everyday life

Camera: images consists of numbers
Math fun and facts
Math fun and facts

- Much as with people, there are irrational, perfect and complex numbers.
Math fun and facts

• Math success is a process of solving problems and applying what you have learned to new problems.
Math fun and facts

• Playing games helps children develop decision making and mental math skills.
Math fun and facts

• Parents/teachers must encourage mastery in math with the same pride and enthusiasm we encourage mastery in sports.
Math fun and facts

• Lightning and thunder are created together, but light travels faster than sound.
Math fun and facts

• Math leads to many exciting career opportunities.
• From scientists to computer programmers to store owners.
Math Quiz

If you have 4 melons in one hand, and 7 apples in the other - What do you have?

Big hands
Math Quiz

What comes next in the following sequence?
1, 4, 5, 6, 7, 9, 11,...

100 – the next number spelled without a “T”
Math Quiz

There are 10 birds in a field. If 2 are shot, how many are left?

2 – The others have flown away
Math Quiz

There are 8 apples on the table, you take away 3. How many do you have?

3 – The other 5 are still on the table
Statistics

There are at least three ways to describe the “center” of a set of data

- Mean (arithmetic average)
- Median (the center of the data if lined up in order)
- Mode (the most common figure)
- Range (maximum – minimum)
Statistics fun with calendar

- Take any row
- Take any column
- Take 2x2 cross digits
- Take 3x3 grids
- Take 4x3 grids (6 pairs)
- Average, mean, median, range

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Statistics fun with calendar

INSPIRED BY: P. K. SRINIVASAN’S BOOK
NUMBER FUN WITH A CALENDAR
Which has more volume?
Which has more volume?
Middle School/High School Math

- Goal: How to measure volume?
- How much is 100 ml?
- How much if feels a glass?
Measuring volume

The real-world experience!

TOYS FROM TRASH

TETRA VOLUME

4.6 cm
x 3.7 cm
x 11.9 cm
= 202.5 cm³

4.6 cm
x 3.7 cm
x 5.95 cm
= 101.3 cm³

4.6 cm
x 3.7 cm
x 3.0 cm
= 51.1 cm³
Math fun with shape

Tetrahedron

Methane

Tetrahedral E.P.G.
Tetrahedral Molecular Geometry

109.5°
Fun with envelope
Math fun with fingers

Multiplication from 6 to 10 with fingers
Math fun shapes

• How to teach blind student about triangle, rectangle, circle etc.?

• How to give ‘tauch and feel’ to students about these shapes?

• In a cost effective manner, “0” cost
Math fun sleepers
Math fun with paper protractor
Math fun with paper protractor
Math & Science fun with sleepers

Abacus, light rays
Math & Science fun with sleepers
From square to cylinder

No glue, no scissors
Thank you