

Math Homework Help

Can you explain to your child why he or she needs to do math? After all, learning the concepts, laws of mathematics and logic, solving mathematical and logical problems requires mental effort. But why do we need it at all?

We have reviewed a number of scientific studies, and we have highlighted the real evidence of the benefits of doing math.

Even if you are convinced that your child's life will not be connected to mathematics, we still recommend reading our article to at least easily answer the questions of a little "geek".

1. Math develops thinking

Studying mathematics and solving problems, a child learns:

- generalize and highlight what is important;
- Analyze and organize;
- Find patterns and establish cause-and-effect connections;
- To reason and draw conclusions;
- think logically, strategically, and abstractly.
- Just as regular sports training "pumps up" the body, making it healthy, strong and enduring, regular exercise in mathematics "pumps up" the brain - developing the intellect and cognitive abilities, expanding the horizons.

Read also: In the article "5 reasons to learn to think like a mathematician" we explained in detail the power of mathematical thinking and why to develop it.

2. Doing math trains your memory

Stanford University researchers in the United States have studied how people solve mathematical problems and found that adults use thinking and automatic skill to "pull" from memory the answers that are already there.

Children under the age of 7 often resort to using fingers and toes, as well as various substitutes (real objects, counting sticks). In the "transition period," between the ages of 7 and 9, schoolchildren develop the "adult" skill of "thinking," comprehending, and remembering information.

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An interesting study was published in Nature Neuroscience in 2014. It focused primarily on the role of the hippocampus (a region in the brain) in the development of cognitive activity in children. But its indirect conclusions are as follows:

if you want your child to have no problems with math in school - train your memory at an early age; Solving mathematical problems develops memory.

3 Math builds character

Solving math and logic problems correctly requires attentiveness, perseverance, responsibility, accuracy, and precision.

Math builds character muscles.

The more regularly a child trains these "character muscles", the stronger they become, the more often they help the child solve not only academic problems, but also life's problems.

LogicLike is the right platform for training for 20-60 minutes a day. Solve problems, take part in logic and math competitions, and develop the will to win and the ability to win!

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