

**ORGANIZING EXTRA-CURRICULAR ACTIVITIES IN MATHEMATICS IN THE  
PRIMARY CLASS**

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**Annotation:** From mathematics « from the class except when it is said "work ". of students from class except at the time organize made, program with depends based on the material voluntariness principle based on training is understood.

**Key words:** Extracurricular activities, interesting word problems, brain teasers, funny problems, math club, math competitions, math olympiads, math newspaper and quizzes.

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1. From mathematics from class except of work essence and his types

From class except affairs of students mathematician knowledge deepening and expand , complicated example and issues to solve exercise do math \_ life with depends has been sides opener and to the program did not enter some questions with to introduce the goal by doing takes From class except of work the following types occurs : Mathematical clubs , olympiads , fun mathematician nights , math excursions . Also a mathematician the newspaper deduction , math quiz and corners organize to do

From class except affairs through the following done increased : knowledge and practical skills deepening and expand ; of students makes sense thinking , resourcefulness , math intelligence development ; to mathematics interests gain , capable and capable the children finding , demand , will education , labor love , independence , organization and humanity education \_

From class except affairs to lessons relatively some difference doer properties has :

1. Own content according to mathematics to the program concerned it's not . But given knowledge of students to the power suitable to be need \_

2. From the class except affairs opportunity as long as all students attraction to do , that is interesting to be necessary \_ Low absorptive students are also interested using active to the students rotation can \_

3. From the class except affairs voluntariness principle basically organize will be done , but interest provide it is necessary These classes are not graded , but active participation reached students is encouraged .

4. Training content and to the forms depending , from 10-12 minutes to 1 hour intended to be can

5. From the class except of work content and of forms different - nebula .

**From class except to work :** interesting textual issues , sharp to intelligence about issues , jokes issues , given information lacking or given information excess issues , logical issues , interesting mathematician events , arithmetic rebuses , games , tricks , puzzles , historical data to give and others enters \_

School in practice now the following occurs : math 10 minutes , hours , mathematics at night , mathematics circle lars , mornings , quizzes , contests , Olympiads .

From class except things organize to do and transfer methodology to the following justification need :

1. In class students received knowledge , skill and skills account received without will be held .

2. From the class except affairs of students desire , hobby , creativity principles justification and their individual thoughts satisfaction in order to organize will be done .

3. From the class except things transfer forms from lessons difference so interesting \_ side strong will be Bump for necessary a must that is , held of work to be planned and of systematicity in complexity .

Below from class except training transfer the plan we bring

**Mathematics from science from class except events plan**

| No | Event shape                            | Event topic                                                                    | Event purpose                                                      | Teacher activity                                                                       | A student activity                           |
|----|----------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------|
| 1  | <b>Mathematician games</b>             | Magical square                                                                 | Quick and clearly count                                            | Management of the game, students interest and magical square history with introduction | Makes sense flashing                         |
| 2  | <b>Interesting mathematician hours</b> | Rebuses , tricks , Crosswords                                                  | Mathematics in their classes received knowledge deepening          | Various puzzle , crossword puzzle preparation                                          | Rebuses and crossword puzzle? to find        |
| 3  | <b>Mathematician quiz</b>              | Everyone things to know i want                                                 | Complicated issues                                                 | Various complicated is it a problem preparation and the quiz manage                    | Everyone issues to know they strive          |
| 4  | <b>Mathematics early</b>               | Historical issues                                                              | Historical examples learning                                       | Examples preparation and in the morning management Historical to examples interest     | Examples to solve movement to do             |
| 5  | <b>Mathematician circles</b>           | Famous mathematician don't be a scientist life and activity                    | Scientists to mathematics added contribution , mat.history.org . _ | Mathematics toga -ragini manage and script to write                                    | Historical materials collection              |
| 6  | <b>Mural newspaper</b>                 | Interesting historical stories of scientists creativity and from his life news | of students worldview to form reach                                | Mural newspaper collect material for                                                   | From mathematics new to knowledge have to be |
| 7  | <b>Excursions</b>                      | Historical to museums trips take away                                          | National graphic geometric shapes with introduction                | Excursion in the process historical materials with introduction                        | From mathematics new to knowledge have to be |

That's it to emphasize should be individual and group training systematic respectively not to be transferred , on the contrary , the main one the work in class execution need \_ From class except the work in class lesson to the shape relatively one series to himself special properties has :

1. Own content on it with the state program unlimited , mathematical material of students knowledge and qualifications suitable respectively to be given need \_
2. Primary in classes of children to mathematics relatively collected steady interests about yet speaking it won't be .
3. Resourcefulness , intelligence , quickness calculations , solving efficient methods use to be encouraged need \_
4. Lessons are for 45 minutes planned without from class except training to the content and transfer to the forms depending on 10-12 minutes \_ is also designed for the clock to be can \_
5. From the class except affairs form and types ( interesting mathematics classes , clubs , quizzes and etc. ) \_ content different fog with is characterized .

Mathematics in minutes , to assignments interest wake up and support for this assignments in classes to be given simple mathematician to assignments similar not to be need \_

Training transfer for each different interesting arithmetic and geometric meaningful issues are more difficult issues , jokes issues , issues to compose circle issues , interesting squares , rebuses , puzzles and others are material service does \_

**Mathematician circle** from mathematics systematic from class except of work the most a lot from spread one \_ His main task - to mathematics separately interest showed students with executable deepened the work .

Mathematician circle work interesting mathematics from hours the following with difference does :

Mathematics circle students in choosing their to mathematics relatively separately interests , inclinations and opportunities account get need \_

Independent respectively demonstrative weapons ( abacus , some games for examples written cards and others ) prepare , mathematics at night to transfer preparation they see and etc. \_

Mathematics circle transfer for in advance his the work the plan make up need \_ Sample for second half held in the 1st grade some circle of training approximate plans we bring :

**I exercise** . 1. Rebuses thinking to find 2. To add about interesting issues . 3. Within 100 numbering to know to check about exercises . 4. Ingenuity is required issues . 5. It's a joke . 6. Riddles . 7. Fun counting ( out of 20 ) game .

**Training II** . 1. Rebuses thinking to find 2. Requiring ingenuity \_ poetic issues . 3. Geometric figures analysis to do circle exercises . 4. It's a joke. 5. " Sonny fill " game .

**Training III** . Lesson type circle training .

Primary class mathematics in their classes historical of materials content of use ( opportunities ) .

Indeed , Uzbek of the people great thinkers are also far away in the past take went studies and done increased in his discoveries people polite , spiritual tall , perfect , hardworking , patriotic being to be educated new the idea and teachings who created These are : Musa al- Khorazmi (783-850), Abu Rayhan Beruni ( 973-1048), Ibn Sina ( 980-1037); Omar Khayyam (1048-1131); Nasriddin al- Tusi (1201-1274); Ulug'bek (1394-1449), Ghiyaziddin al- Koshi ; Ali Kushchi (1402-1474); and do not control to us rich legacies left behind to our opinion basis it has been .

These are our scholars in his works of children study , work , manners and this at work of teachers tasks big attention given \_ Among them , Nasriddin al- Tusi opinion according to teacher students to intelligence effect to do for students confidence win and take a place in the heart to feel responsibility it is necessary Abu Nasr Farabi teacher in the activity youth - ing moral standards , practical skill and qualifications to master orientation main from tasks one that

represents \_ According to Ibn Sina , historical sources to know noble and useful is an activity . It is science of things a person mind help with to be studied person in the activity important to be considered emphasizing passes . Abu Rayhan Beruni pedagogical in his work education purpose , tasks and place , person , age generation development about flkrs literally \_ humanity based on built \_ Abu Rayhan of Beruni pedagogical ideas the most important knowledge thorough and strong take over is necessary .

our ancestors the rest scientific inheritance deep learn it \_ education and education to the process app reach each one spiritual and creative of the specialist holy is a duty .

### **Mathematician choices**

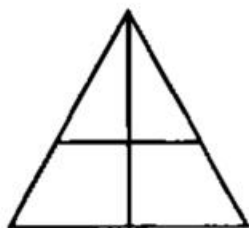
Choices each different in difficulty issues solution , fun thinking issues and assignments in execution competitions being is considered Basically of students desire according to issues in solving own strength testable , enough preparation have participation does \_

Below in the 2nd grades choices to transfer examples we bring 2nd grade (4th quarter).

1. Two wrap wool 3 gloves from yarn knitting can \_ 9 such gloves knitting for how many wrap yarn do you need

2. Vali and Salim's 30 candies there is ate \_ They are from the bar from eating after Wali has 9 candies, Salim has 5 candies left , they how much candy ate ?

**3. Shaklda nechta uch bor?**



**4. 1, 2, 3, 4, 5, 6, 7, 8, 9 sonlari berilgan. Bu qatordagi sonlardan**

in threes 15 in addition coming out how many example to bring can \_ Choice topic and him transfer time in advance is defined as :

1. Complex calculations the most comfortable method with comparison using count \_

2. Logical problem and exercises .

3. Resourcefulness , intelligence about exercises .

4. Calculations complicated has been tables .

5. East thinkers to his heritage about statement to do , algebraic , geometric forms content to lighting about assignments .

### **Mathematician Olympics**

Olympics to contests compared to wide in scope held and mathematics in learning students achieved successes demonstration who does it's work .

Olympics of participants to the composition depends without school in , district and in cities transfer can \_ Olympiad from 4th grade starting from passed , the winners of the school mural in newspapers and students in their meetings is encouraged .

### **Mathematician newspaper and quizzes**

Newspaper, quiz each kind of mathematician content own into received puzzle , example and assignments in pictures to be interested in character will be

In the quiz while to the students solve recommendation to be done assignment is given Answers defined at the time to the students delivered .

Mathematician quizzes - from newspapers different respectively only to the students solve for given issues and of questions consists of will be Answers written respectively known time inside teacher by winner student announced \_ \_ by doing will go



Mathematician mural newspaper , quizzes , usually mathematician the so- called angle to the place hang is put , this in the corner Our country achievements expressive numerous also giving information will go " Do you know ?" column interesting materials is given For example :

1. Man's tall one 1 cm to 6 cm per day up to change can \_
2. In the world the most the long railway is 9302 km organize is enough
3. In the world oceans 13300 mln \_ up to tons silver

Mathematics the corner organize to do students and their  
their parents active using done increase can \_

Excursion from transfer the goal what is to the children understandable to be extremely important , yes when children in advance what to do need and themselves how behavior need knowing they get

School is located instead of looking children with each different to workshops , factories , combines , farms , companies economy and farmer economy and another to places excursions will be held .

Construction from material , machines , workers from the forces and another of things use about issues make up and solve can \_ So from issues some of them we bring :

1. In an hour The excavator is 4 m long foundation depth digs \_ So the work product with it at 7 o'clock how much depth ( ora ) digs ?
2. 4 vehicles for transporting goods to construction is working Theirs each in one one driver and two loader works \_ In material transportation all being how much is the person busy?

Construction from materials work lessons for stands in preparation use can , in this of buildings layouts can also be prepared .

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