**Муниципальная олимпиада по математике для 4 класса**

**2016 – 2017 учебный год**

Ф.И.О. участника\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Количество баллов \_\_

Школа\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Класс 4

Ф. И. О. учителя\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Задание 1.** Запиши хотя бы одно число, в котором цифр столько же, сколько букв в записи этого числа.

Ответ:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Задание** **2.** Вычеркните в числе 26052013 любые пять цифр так, чтобы

оставшееся число стало наибольшим. Запиши оставшееся число.

Ответ: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Задание** **3**. Запомни цифры: 7 2 5 7 6 0! Это цифры код от замка. Тебе надо только восстановить в нём

правильный порядок цифр, используя эти подсказки:

- число единиц и сотен одинаковое;

-если число десятков поделить на 2, то получится самое маленькое

натуральное число;

- первые две цифры первоначального числа идут по убывающей;

- число тысяч – число, которое не может быть делителем.

Запиши свои рассуждения.

***Решение:***

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Ответ: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Задание** **4**. Выбери такое выражение, для нахождения значения которого, тебе придется выполнить все четыреарифметических действия. Реши его и узнай год рождения М.В.Ломоносова.

а)  (2713х65+2713х35)-713х100=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

б) 864375 — 42054:42054 -1х67=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

в) (1921- 1671)х6+1899:9=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Задание** 5. На уроке физкультуры мальчики построились в шеренгу. Потом между каждыми двумя мальчиками встала девочка. Всего в шеренге оказалось 25 детей. Сколько мальчиков стояло в шеренге?

***Решение:***

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Ответ: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **Задание 6.** ***Реши логическую задачу***.

Детям 15, 8, 5, 13 лет. Их имена Ваня, Оля, Витя, Гена. Сколько лет каждому из них, если один мальчик ходит в детский сад, Ваня старше Оли, если сложить возраст Вани и Вити, число будет делиться на 3.

***Решение:***

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Ответ: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Задание 7.**

**Реши задачу.**Из куска проволоки согнули квадрат, площадь которого 36 см2. Затем проволоку разогнули и согнули из неё треугольник с равными сторонами. Какова длина стороны треугольника

***Решение:***

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Ответ:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Задание8.** Начертить прямоугольник, площадь которого равна 12 см², а периметр равен 26 см.

***Решение:***

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**Задание 9.** Решите уравнение. Выполни проверку.
**2•(300+x)=1200 : 2**

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**Задание 10**.

***Реши задачу.*** Мотоциклист за три дня проехал 980 км. За первые два дня он проехал 725 км, при этом он во второй день проехал на 123 км больше, чем в третий день. Сколько километров он проехал в каждый из этих трех дней?

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I день \_\_\_\_\_\_\_\_\_\_, II день \_\_\_\_\_\_\_\_\_\_\_\_, III день \_\_\_\_\_\_\_\_\_\_\_\_\_\_.