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| Итоговое количество баллов |  |   | Ранг (место) |  |

**Олимпиадная работа по математике**

районный тур 1 этап

*Запиши печатными буквами, каждый знак в своей клетке*

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**Задание 1. Разминка**

1. Девочка начертила две прямые линии. На одной она отметила 2 точки, а на другой 3. Всего получилось 4 точки. Как так получилось? Начерти.

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отметка

 о выполнении

1. Какие цифры надо вычеркнуть из числа **4921 508**, чтобы получившееся трехзначное

число было наименьшим? Запиши решение.

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отметка

 о выполнении

1. По углам и сторонам квадрата вбиты колышки на расстоянии 2 м друг от друга. Сколько колышек вбито, если сторона квадрата 10 м? Запиши ответ.

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отметка

 о выполнении

1. Установите правило, по которому составлен ряд чисел, и продолжите его, записав еще 3 числа: 3, 5, 9, 17, 33, … , … , … .

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отметка

 о выполнении

1. Во сколько раз увеличится площадь квадрата, если каждую сторону его увеличить в 2 раза? Приведи числовой пример.

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отметка

 о выполнении

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| Максимально возможное количество баллов | **5** |
| Фактически начислено баллов |  |

**Задание 2. Блицтурнир**

*Ответы на вопросы блицтурнира запиши в виде равенств.*

1. Произведение чисел больше одного из них в 10 раз, а больше другого в 6 раз.

Чему равны множители и произведение?

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 отметка

о выполнении

1. Произведение, каких однозначных чисел равно 5?

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 отметка

 о выполнении

1. Сколько получится, если из наименьшего четырёхзначного числа

 вычесть наибольшее однозначное?

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отметка

 о выполнении

1. Три различных числа сложили, а затем их же перемножили.

 Сумма и произведение оказались равными. Какие это числа?

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отметка

 о выполнении

1. Чему равно произведение всех цифр?

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отметка

 о выполнении

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| Максимально возможное количество баллов | **5** |
| Фактически начислено баллов |  |

**Задание 3.** На какое число надо умножить 285714, чтобы получить шестизначное число,

 записанное теми же цифрами? Вторая цифра этого числа равна 5.

Запиши решение.

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| Максимально возможное количество баллов | **2** |
| Фактически начислено баллов |  |

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**Задание 4.** Вставь пропущенные единицы величин, (запиши два варианта)

 723... = 7 ... 2 ... 3 ...

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| Максимально возможное количество баллов | **2** |
| Фактически начислено баллов |  |

**Задание 5.** Мячи сложили пирамидой. Сколько здесь мячей? Запиши решение

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| Максимально возможное количество баллов | **3** |
| Фактически начислено баллов |  |

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 ***\_Ответ:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

**Задание 6.** У Илюши есть брат Ваня. Через два года Ване будет столько же лет, сколько

сейчас Илюше, а если их возраст сложить, то им сейчас 22 года. Сколько лет Ване и Илюше?

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| Максимально возможное количество баллов | **4** |
| Фактически начислено баллов |  |

**Задание 7.** Сколько всего можно составить четырёхзначных чисел, сумма цифр которых

 равна 3? Перечисли эти числа.

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| Максимально возможное количество баллов | **5** |
| Фактически начислено баллов |  |

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**Задание 8.** Между некоторыми цифрами 123456789 поставь знаки сложения так, чтобы

 получилось 99.Используй все цифры, не меняя их порядок.

 (Найди 3 способа решения).

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| Максимально возможное количество баллов | **6** |
| Фактически начислено баллов |  |

**Задание 9.** Толя слабее, чем Миша. Миша моложе, чем Вова. Вова ниже, чем Толя. Толя

старше, чем Вова. Вова сильнее, чем Миша. Миша выше, чем Толя. Кто из мальчиков сильнее всех, кто выше всех, кто старше всех?

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| Максимально возможное количество баллов | **6** |
| Фактически начислено баллов |  |

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**Задание 10.** Шестеро тянут репку: дедка вдвое сильнее бабки, бабка втрое сильнее

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| Максимально возможное количество баллов | **7** |
| Фактически начислено баллов |  |

внучки, внучка вчетверо сильнее Жучки, Жучка впятеро сильнее кошки, кошка вшестеро сильнее мышки. Сколько понадобится мышек, чтобы только они сами вытянули репку?

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