**Олимпиадные задания**

Шифр

**2024 – 2025 учебный год**

**Школьный этап**

**(Математика, 3 класс)**

1. **В записи трёхзначного числа единиц в 2 раза меньше, чем десятков, а сотен - в 2 раза больше, чем десятков. Найди это число, если в нём четыре десятка.**

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

1. **Найди сумму всех двузначных чисел, которые делятся на 10 и не делятся на 3:**

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

1. **Используя все известные тебе арифметические действия и скобки, составь равенства:**

**5 5 5 5 = 6 5 5 5 5 = 7 5 5 5 5 = 30**

1. **Найди закономерность и вставь пропущенные числа:**

4, 8, \_\_\_\_ , 16, 20

4, 8, 16, \_\_\_\_, 64

4, 8, 13, 19, 26, \_\_\_\_

1. **Нарисуй, как из 3 спичек сделать 6, не ломая их.**
2. ) 4 4 4 4= 15
3. б) 4 4 4 4 =0
4. в) 4 4 4 4=20
5. **Реши задачу:**

**Муха – Цокотуха пошла на базар и купила самовар за 25 рубликов и 10 бубликов по цене 1 рублик 50 копеечек. Какую сдачу получила Муха – Цокотуха, если у нее было 100 рублей?**

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

1. **Толя сильнее, чем Миша. Миша младше, чем Вова. Вова ниже, чем Толя. Толя старше, чем Вова. Вова слабее, чем Миша. Миша выше, чем Толя.**

Кто из ребят самый сильный? - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Кто самый старший? - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Кто самый высокий? - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **В Солнечном городе меняют пряник на 6 сушек, а за 9 сушек дают
4 баранки. Сколько баранок дают за 3 пряника? Объясните свой ответ.**

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1. **«Разрежь» квадрат по линиям сетки на 4 одинаковые части так, чтобы каждая часть содержала по одной закрашенной клетке.**

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1. **В семье четверо детей. Им 4, 8, 13 и 17 лет. Их имена – Егор, Алёша, Лена и Маша. Найди возраст каждого, если одна девочка ходит в детский сад, Лена старше Алёши, а сумма лет Алёши и Лены делится на 3.**

Маша - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Алёша - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Лена - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Егор - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Начерти квадрат такой же площади, как прямоугольник со сторонами 2 см и 8 см. Найди периметр квадрата.**

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1. **На схеме изображён веломаршрут по парку, а также длины некоторых его участков в километрах. Сколько километров составляет длина всего веломаршрута?**

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