Демонстрационный вариант

диагностической работы по математике

для обучающихся 6-х классов

1. **Выполните действия:**

Запишите ответ: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Решите задачи и запишите ответы в таблицу**

А) Длина дороги 18 км. Отремонтировали всей дороги. Сколько километров осталось отремонтировать?

Б) Тракторист вспахал 12 га, что составляет 30% площади поля. Какова площадь поля?

Внесите ответы:

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| А | Б |
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1. **Решите уравнение:**

А) – 3,5 = 1,4x

Б);

Внесите ответы:

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| А | Б |
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1. **Решите задачу с помощью уравнения:**

Роман состоит из трёх глав и занимает в книге 340 страниц. Число страниц второй главы составляет 42% числа страниц первой главы, а число страниц третьей главы составляет числа второй главы. Сколько страниц занимает каждая глава романа?

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| Запишите развернутое решение: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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**5. Упростите выражение и найдите его значение:**

**Выполните задание 5 под литерой А ИЛИ Б**

А) при ,

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| Запишите развернутое решение: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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**6. Решите задачу:**

Первоначальная стоимость товара была *а* руб. Сначала она повысилась на 12%, а через год новая цена понизилась на 12%. Стал товар дешевле или дороже его первоначальной цены?

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| Запишите развернутое решение: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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