**Муниципальное бюджетное общеобразовательное учреждение –**

**гимназия № 34 г.Орла**

**Демонстрационный вариант аттестационной работы**

**по математике**

 **(контрольная работа)**

**4 класс**

**Инструкция по выполнению работы**

 На выполнение работы по математике даётся 45 минут.

 Работа содержит 10 заданий.

**Инструкция по выполнению работы**

 На выполнение заданий контрольной работы по математике даётся 45 минут.

 Ответы на задания записать в работе на отведённых для этого строчках.

Если надо изменить ответ, то необходимо зачеркнуть его и записать рядом новый.

 При выполнении работы нельзя пользоваться учебниками, рабочими

тетрадями, справочниками, калькулятором.

 При необходимости можно пользоваться черновиком. Записи в черновике

проверяться и оцениваться не будут.

 Советуем выполнять задания в том порядке, в котором они даны. Для

экономии времени можно пропускать задание, которое не удаётся выполнить сразу, и перейти к следующему. Надо постараться выполнить как можно больше заданий.

 **Желаем успеха!**

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**Демоверсия аттестационной работы**

 **(итоговая оценка качества освоения ООП НОО)**

 **по математике**

**4 класс**

 **Основная часть**

**1. Сколько часов содержится в 540 мин? :**

6 ч  9 ч

90 ч  54 ч

**2. Выразить в метрах 8 км 7 м**

807  8007

87  870

**3. Делимое 3067000, делитель 100. Укажи значение частного?**

306700  3067

30670  367

 **4.Вычисли**

 (538 + 4362) : 5 ; 9000 – 450 • 342 : 900;

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**5. Выполни действия с именованными величинами**

5 м 47 см + 284дм; 9м2 - 470мм2

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1. **Реши задачу**

Расстояние между пристанями катер прошел со скоростью 45 км/ч за 2 часа, а обратный путь за 5 часов. С какой скоростью шел катер на обратном пути?

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 **7. Найди периметр прямоугольника, если длина его стороны 7 см, а площадь 21см?**

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**8.Проведи необходимые вычисления и заполни таблицу.**

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|  | **Цена** | **Кол-во** | **Стоимость** |
| **Лимоны** |  | **3** | **585** |
| **Мандарины** | **130** |  | **650** |
| **Яблоки** | **65** | **3** |  |

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**Дополнительная часть.**

**9. Какое число надо уменьшить в 28 раз , чтобы получить число, равное разности чисел 300 и 203? Составь, запиши и реши уравнение.**

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**10. Построй квадрат с периметром – 12 см.**

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**Критерии оценки выполнения заданий контрольной работы по математике**

**в рамках промежуточной аттестации учащихся 4 класса**

**Коды правильных ответов**

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| № задания | Критерии | Правильное выполнение заданий и их оценка |
| 1 | Умение производить перевод величин времени | **1 балл:** Правильно выполнено все задание *9ч* **0 баллов**: Все остальные случаи. |
| 2 | Умение производить перевод величин длины | **1 балл:** Правильно выполнено все задание *8007***0 баллов**: Все остальные случаи. |
| 3 | Умение выполнять устные вычисления | **1 балл:** Правильно выполнено все задание  *30670***0 баллов**: Все остальные случаи. |
| 4 | Умение определять порядок действий, Умение выполнять арифметические действия  | **3 балла:** Правильно выполнено все задание  (указать порядок действий и произвести вычисления столбиком) *(538 + 4362) : 5 = 980* *9000 – 450 • 342 : 900=8829***2 балла:** Допущена 1 ошибка **1 балл:** Допущены 2 ошибки**0 баллов:** Все остальные случаи |
| 5 | Умение выполнять арифметические действия с величинами | **2 балла:** Правильно выполнено все задание*5м47см + 284 дм =39м3дм8см 9м2 – 470см2 =8м2 9530 см2**5 м 47 см = 547 см 9м2 = 90000 см2*  *284 дм = 2840см 90000 – 470 = 89530* *368+3570=3938* **1 балл:** Допущена 1 ошибка **0 баллов:** Все остальные случаи |
| 6 | Умение решать задачи на движение | **3 балла:** Правильно выполнено все задание *(45*x*2):5 = 18 (км/ч)*Ответ: 18 км/ч шёл катер на обратном пути**2 балла:** Допущена 1 ошибка **1 балл:** Допущены 2 ошибки**0 баллов:** Все остальные случаи |
| 7 | Умение находить периметр данной фигуры | **3 балла:** Правильно выполнено все задание*21:7 = 3 (см)-ширина прямоугольника**Р=(а+в)*х*2**Р=(7+3)*х*2**Р=20(см)**Ответ: Р = 22см***2 балла:** Допущена 1 ошибка **1 балл:** Допущены 2 ошибки**0 баллов:** Все остальные случаи |
| 8 | Умение заполнять таблицу при правильном нахождении данных  | **3 балла:** Правильно выполнено все задание*Цена – 195**Кол-во - 5**Стоимость - 195* **2 балла:** Допущена 1 ошибка **1 балл:** Допущены 2 ошибки**0 баллов:** Все остальные случаи |
| 9 | Умение устанавливать связь между компонентами  | **2 балла:** Правильно выполнено все задание *х : 28 = 300 - 203* *х : 28 =97* *х =97х28* *х =2716* 2716 : 28 = 300 – 203 97 = 97**1 балл:** Допущена 1 ошибка **0 баллов:** Все остальные случаи |
| 10 | Умение находить длину стороны квадрата по его периметру | **2 балла:** Правильно выполнено все задание при правильном выполнении чертежа*12:4 = 4 (см)-длина стороны квадрата***1 балл:** Допущена 1 ошибка **0 баллов:** Все остальные случаи |

Максимальное количество баллов за всю работу – 21б.

Шкала:

Высокий уровень - «5» - 21 - 20 балла.

Повышенный уровень - «4» - 19 - 15 баллов.

 Базовый уровень - «3» - 14 – 10 баллов.

 Недостаточный уровень - «2» - 9 баллов и менее .

**Итоговая оценка качества освоения ООП НОО.**

**Контрольная работа по математике**

 **учени\_\_ 4\_\_ класса**

**Ф.И.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **Вариант 1**

 **Основная часть**

**1. Сколько часов содержится в 480 мин? :**

8 ч  9 ч

80 ч  48 ч

**2. Выразить в метрах 7 км 5 м**

705  7005

75  750

**3. Делимое 4058000, делитель 100. Укажи значение частного?**

405800  40580

 4058  458

**4. Вычисли**

 (458 + 3282) : 5 ; 9000 – 350 • 242 : 900;

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**5. Выполни действия с именованными величинами**

3 м 68 см + 357дм; 8м2 – 190см2

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1. **Реши задачу**

Расстояние между городами машина проехала со скоростью 80 км/ч за 2 часа, а обратный путь за 4 часа. С какой скоростью ехала машина на обратном пути?

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**7. Найди периметр прямоугольника, если длина его стороны 8 см, а площадь 24см?**

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**8.Проведи необходимые вычисления и заполни таблицу.**

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| --- | --- | --- | --- |
|  | **Цена (руб)** | **Кол-во (кг)** | **Стоимость (руб)** |
| **Картофель** |  | **5**  | **385** |
| **Морковь** | **30** |  | **180** |
| **Огурцы** | **55** | **2** |  |

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**Дополнительная часть.**

**9. Какое число надо уменьшить в 25 раз , чтобы получить число, равное разности чисел 400 и 105? Составь, запиши и реши уравнение.**

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**10. Построй квадрат с периметром – 16 см.**

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