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| *Часть А*  *Задачи*, *оцениваемые в 3 балла*   |  |  |  |  | | --- | --- | --- | --- | | 5 | 5 |  |  | | 5 | 5 |  |  | |  | 5 | 5 | 5 | |  |  | 5 |  |   1. Любую из восьми пятёрок можно перенести в любую  свободную клетку квадратной таблицы 4х4. Их надо  расположить так, чтобы в каждой строчке и каждом  столбце сумма цифр составляла по 10. Какое наимень-  шее число пятёрок нужно перенести?    *а*) 4; *б*) 3; *в*) 2; *г*) 1; *д*) 0.  2. Арбуз и две дыни весят 9*кг*. Арбуз на 1*кг* легче двух дынь. Сколько весит  арбуз?  Ответ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  3. В магазин привезли 3 одинаковые полные коробки: в одной – груши,  в другой – яблоки, в третьей – вишни. В какой коробке наибольшее  число плодов? Ответ обоснуйте.  Ответ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  4. Какое из чисел обладает такими свойствами: все его цифры различны,  число сотен в два раза больше числа единиц, а число тысяч в два раза  меньше числа десятков?  *а*) 1326; *б*) 3468; *в*) 3683; *г*) 4874; *д*) 3462.  5. Замените значки \* в выражении 13\*11\*9\*7\*5\*3\*1 = 1 на знаки + и – так,  чтобы получилось верное равенство.    6. Квадрат разрезали на 3 кусочка. Два из них изображены  на рисунке справа. Укажите третий кусочек.      *а*) *б*) *в*) *г*) *д*) | 7. В летнем лагере «Орлёнок» Петя решал по 5 задач в день, а Серёжа  на одну задачу меньше, чем Петя. Петя решил все задачи за 4 дня.  За сколько дней решил эти же задачи Серёжа?    Ответ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  *Часть В*  *Задачи*, *оцениваемые в 4 балла*  8. На столе лежала коробка с конфетами. Саша взял оттуда половину  конфет, потом половину оставшихся конфет взял Коля. Затем Света  взяла из коробки половину того, что там было. После этого осталось  3 конфеты. Сколько конфет было в коробке сначала?    Ответ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  9. У Маши было 9 кусочков бумаги. Некоторые она разрезала на три части.  Всего получилось 15 кусочков. Сколько кусочков разрезала Даша?    Ответ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  10. Гусеница ползет по столбу 5 минут вверх, затем 2 минуты вниз, потом опять 5 минут вверх и 2 минуты вниз и т.д. Скорость гусеницы всегда постоянна и равна 10 см.в минуту. За какое время гусеница поднимется на 12 м?      Ответ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  11. В очереди стоят Юра, Миша, Володя, Саша и Олег. Юра стоит раньше Миши, но после Олега. Володя и Олег не стоят рядом, а Саша не стоит рядом ни с Олегом, ни с Юрой, ни с Володей. В каком порядке стоят мальчики?  Ответ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | № задания | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Всего баллов | | Количество баллов |  |  |  |  |  |  |  |  |  |  |  |  | |

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