 

**Рабочая тетрадь**

урока математики по теме

**«Сложение отрицательных чисел»**

ученика (цы) 6 класса

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Фамилия, имя учащегося

Учитель математики Ак-Тальской средней

школы Чеди-Хольского кожууна

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| 1. Правило сложения отрицательных чисел:   Чтобы сложить отрицательные числа надо  1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   |  |  | | --- | --- | | - а + ( - b) = |  | |  |  | |

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| 1. *Найдите сумму отрицательных чисел*:  |  |  |  | | --- | --- | --- | | -11 + (-24) = |  | А | | -12 + (-13) = |  | Б | | -28 + (-27) = |  | У | | -34 + (-49) = |  | М | | -13 + (-44) = |  | П | | -59 + (-27) = |  | Р | | -80 + (-11) = |  | Т | | - 75 + (-24) = |  | Г | | - 62 + (-36) = |  | Х | |

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| 1. *Используя данные п.2, заполните таблицу*  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  | | -25 | -86 | -35 | -98 | -83 | -35 | -99 | -55 | -57 | -91 | -35 |   - индийский математик и астроном, первый изложивший правила действий с отрицательными числами в \_\_\_\_\_\_ году.  ***Положительные числа он называл «имущество», отрицательные – «долги».***   1. *Выполнив следующие действия, вы узнаете дату.*   Волшебный квадрат:     |  |  |  |  | | --- | --- | --- | --- | | -124 | -338 | -135 | -237 | | -89 | -303 | -100 | -202 | | 0 | -214 | -11 | -113 | | -77 | -291 | -88 | -190 |   1. *Выберите одно число из каждой строки. Ячейки должны быть из разных столбцов (4 числа)*  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  2*. Вычислите сумму данных чисел*  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  3. *Найдите модуль полученного числа*  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  4. *Запишите результат* *в п.3.* |

1. Переведите на «математический» язык данные правила из книги Брахмагупты.

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| « Имущество и имущество есть имущество» |  |
| «Сумма двух долгов есть долг» |  |
| «Сумма имущества и нуля есть имущество» |  |

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| 1. *Определите верные равенства, соответствующие правилу сложения отрицательных чисел:*      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | =  (  -  -  )  -   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **+** |  |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  | | )  -  (  -  -   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **+** |  |  | = |  |  |  |  |  | |  |  |  |  |  |  |  |  | |  |  | | -   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **+** |  |  | = | - |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  |  | | =  )  -  (  **+**  -  -   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  | |

1. Придумайте слова, которые являются синонимами  понятия отрицательных чисел, которые встречаются в жизни

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1. Используя цветные карандаши и другие инструменты, придумайте:

а) схему правила сложения отрицательных чисел;

б) рисунок правила сложения отрицательных чисел.

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**Спасибо за урок! Всего хорошего!**