**Short plan of the binary lesson**

**Краткосрочный план бинарного урока**

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| **Binary lesson (Algebra, English)**  **Бинарный урок (алгебра, английский язык)** | | **Gymnasium № 41**  **Многопрофильная гимназия № 41** | | |
| **Date**: 4 March, Saturday  **Дата:** | | **Teacher name:** Chirkova L.A.  **Учитель:** Олейнник Т.А. | | |
| **Grades:** 7 “A”  **Класс:** 7 “A” | | **Number present:** | **absent:** | |
| **Theme of the lesson:** Rational fractions and their properties  **Тема урока:** Рациональные дроби и их свойства | | | | |
| **Learning objectives(s) that this lesson is contributing to** | | **Цели урока:** | | |
| **Lesson objectives** | | **All learners will be able to:**  Name the parts of the rational fraction clearly;  Read the parts of the rational fraction correctly;  **Most learners will be able to:**  Match and write the parts of the rational fraction correctly;  **Some learners will be able to**  Reduce fraction using active vocabulary; | | |
| **Success criteria** | | |  | | --- | | “5”-31-29 points “3”-19-4 points  “4”-28-20 points “2”-3 point | |  | | | |
| **Previous learning**  **Предыдущие знания** | |  | | |
| **Plan** | | | | |
| **Time** | **Planned activities** | | | **Resources and descriptors** |
| Beginning  4 mins | **Organizational moment/Организационный момент**  Teacher greets students; students respond to greeting and take their places.  -Today we are going to…   * Name the parts of the rational fraction clearly; * Read the parts of the rational fraction correctly; * Match and write the parts of the rational fraction correctly; * Reduce fraction using active vocabulary;   **Warming up/Погружение в тему** | | | **Descriptor:**  **Дескриптор:** |
| 5 mins  5 mins | **“Brainstorming”/ “Мозговой штурм” (all/все)**  **http://unimath.ru/images/clip_image002_1123.gif**Teacher asks the questions for solving of the rational fraction. /Учитель задаёт вопросы для решения дроби.  Решение: http://unimath.ru/images/clip_image004_0976.gif http://unimath.ru/images/clip_image006_0811.gif.  **Lead-in/Погружение в тему (all/все)** Teacher focuses on the introduction of new words.Учитель делает акцент на введении новых слов.   1. rational fraction [ˈraʃ(ə)n(ə)l ˈfrakʃ(ə)n]- рациональная дробь 2. numerator [ˈnjuːməreɪtə]- числитель 3. denominator [dɪˈnɒmɪneɪtə] - знаментатель 4. cubed [kjuːbd]-в кубе 5. squared [skwɛːd]- в квадрате 6. common multiply [ˈkɒmən ˈmʌltɪplʌɪ]- общий множитель 7. enduring the brackets[ɪnˈdjʊəiŋ ðə ˈbrakɪts] – выносить за скобки 8. the value of the residual of- [ ðəˈvaljuːɒv ðə rɪˈzɪdjʊəl] значение разности 9. the value of the sum of [ ðəˈvaljuːɒv ðə sʌm] –значение суммы 10. reduce fraction [rɪˈdjuːs ˈfrakʃ(ə)n -сократить дробь 11. equals [ˈiːkw(ə)lz] –равно   **Back to the aims: -**Can you name the parts of the rational fraction clearly? | | | **Descriptor:** students answer the questions using their previous knowledge  **Дескриптор:** ученики отвечают на вопросы, используя предыдущие знания  ***Flash cards***        **Descriptor:** students stick the words and word combinations to the flashcards on the board  **Дескриптор:** ученики прикрепляют слова и словосочетания к флэш картам на доске |
| Middle  5 mins  6 mins  3 mins  12 mins | **Reading of the active vocabulary/Чтение новых слов (in pairs/ в парах)**  -Read in pairs the following words and word combinations. Tick the words which you have read correctly. http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg   |  |  |  | | --- | --- | --- | | rational fraction [ˈraʃ(ə)n(ə)l ˈfrakʃ(ə)n] | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | | numerator [ˈnjuːməreɪtə] | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | | denominator [dɪˈnɒmɪneɪtə] | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | | cubed [kjuːbd] | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | | squared [skwɛːd] | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | | common multiply [ˈkɒmən ˈmʌltɪplʌɪ] | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | | enduring the brackets[ɪnˈdjʊəiŋ ðə ˈbrakɪts] | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | | the value of the residual of- [ ðəˈvaljuːɒv ðə rɪˈzɪdjʊəl] | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | | the value of the sum of [ ðəˈvaljuːɒv ðə sʌm] | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | | reduce fraction [rɪˈdjuːs ˈfrakʃ(ə)n | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | | equals [ˈiːkw(ə)lz] | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg | http://previews.123rf.com/images/devke/devke1008/devke100800002/7541452-green-check-mark-Stock-Photo.jpg |   **Back to the aims: -**Can you read the parts of the rational fraction correctly?  **Fixation of the active vocabulary/Закрепление новых слов (individually/индивидуально)**  -Write the parts of the rational fraction. Tick the words which you have written correctly.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  | |  | | |  |  | |  | | |  |  | |  | | | eq | | rator | | | nume | | sum of | | | cub | | fraction | | | rational | | ed | | | the value of | | uals | |   **Back to the aims: -**Can you match and write the parts of the rational fraction correctly?  **Reducing of the rational fractions/Сокращение рациональных дробей. (in groups/в группах)**  **-**Let’s divide into 3 groups.  **http://unimath.ru/images/clip_image012_0674.gif**http://unimath.ru/images/clip_image014_0634.gif   |  | | --- | |  |   **Back to the aims: -**Can you reduce fraction using active vocabulary? | | | ***Sheets for reading in pairs***  **Descriptor:** students read the words and word combinations in pairs, tick the words which they have red correctly, count total points  **Дескриптор:** ученики читают слова и словосочетания в парах, отмечают правильно прочитанные слова, подсчитывают общее количество баллов  ***Sheets for individual writing***  **Descriptor:** students write the parts of the rational fractions  **Дескриптор:** ученики пишут части рациональных дробей  ***Cards for matching on the board.***  **Descriptor:** student goes to board and matches the parts of the words. Others check up themselves, tick correct words and count total points  **Дескриптор:** ученик идёт к доске, соединяет части слов. Остальные проверяют себя и подсчитывают общее количество баллов  ***Paper sheets, colour highlighters***  **Descriptor:** students reduce the rational fractions in groups, go to the board, explain the solving, students of the other groups write solving in their copy books.  **Дескриптор:** ученики в группах сокращают рациональную дробь, выходят к доске, объясняют решение, ученики других групп записывают решение в тетрадях |
| End  1 min | **Self-assessment/Самооценивание (individually,in pairs/ индивидуально\ в парах)**  **-Complete the table of self-assessment sheet and point your points. Discuss in pairs what you can do.**  1-No, I can’t.  2. Yes, I can but I need help.  3. Yes, I can.   |  |  | | --- | --- | | I can answer the questions about reducing of the rational fraction. |  | | I can name the parts of the rational fraction clearly. |  | | I can read the parts of the rational fraction correctly. |  | | I can write the parts of the rational fraction correctly. |  | | I can reduce the rational fraction and explain solving. |  | | **Total:** |  | | | | ***Self-assessment sheets***  **Descriptor:** students complete the table of self-assessment sheet, count point, and say what they can do in pairs.  **Дескриптор:** ученики заполняют лист самооценивания, считают баллы и в парах говорят о том, что они могут делать по результатам данного урока. |